# The Weidmüller Catalogue System Industry 2002

Sectional catalogue 1:

***Terminals 2002***

W-Series
Z-Series
IDC-Series
SAK-Series
Ex Terminals - ATEX
Terminals in power supply applications
KLBÜ shield connection
Accessories

Sectional catalogue 2:

***PCB Components 2002***

PCB Terminals
PCB Connectors

Sectional catalogue 3:

***Heavy Duty Connectors 2002***

HA, HE, HD, HDD, HVE, HSB, DSTVK plus DSTV-HD-Series
ConCept
ModuFlex
HDC-Kits
Single contacts
Accessories
Cable glands

Sectional catalogue 4:

***Electronics 2002***

Terminal blocks with electronic components
Interface units
PLC system interface
Digital signal processing
Analogue signal processing
Power supply units
Overvoltage protection
Modules for different functions
Component holders and housings
Markers

Sectional catalogue 5:

***Enclosures 2002***

Mild steel enclosures
Die cast aluminium enclosures
Polyester GRP enclosures
Polycarbonate enclosures
Polystyrole enclosures
Assembly service
Cable glands
Accessories

Sectional catalogue 6:

***Tools 2002***

Certification of tools
Cutting tools
Stripping tools
Crimping tools
Screw driving tools
Testers
Automatic machines
Ferrules
Crimp sets
Special tools

Sectional catalogue 7:

***Installation Products 2002***

Connection markers
Conductor and cable markers
Equipment and installation markers
Labels
Marking systems
Cable ties
Installation products

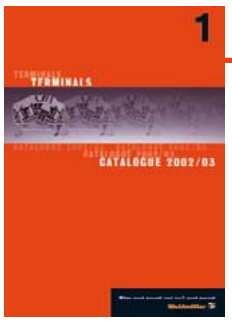
Sectional catalogue 8:

***Fieldbus-Components 2002***

SAI - Sensor-Actuator-Integrator
A well designed system for direct installation
SAI for passive system-cabling
SAI with plug-in connection hood
Cable available as piece part
SAI - Integrators in applications
SAI - Actuator-Integrator PASSIVE
SAI - Actuator-Integrator ACTIVE
PROFIBUS-PA T-Connector
Typical system layout
Applications

**For further information on our worldwide activities please refer to the last pages of this catalogue.**

# The Weidmüller Catalogue System Industry 2002




Sectional catalogue 1:

***Terminals 2002***
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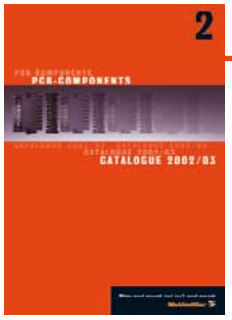
Cat. No. english: 5628980000




Sectional catalogue 2:

***PCB Components 2002***
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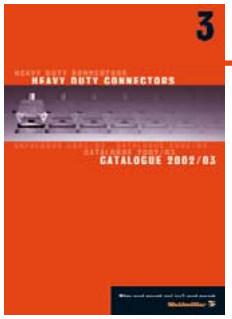
Cat. No. english: 5628990000




Sectional catalogue 3:

***Heavy Duty Connectors 2002***
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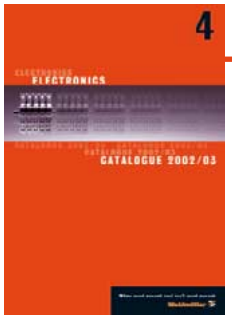
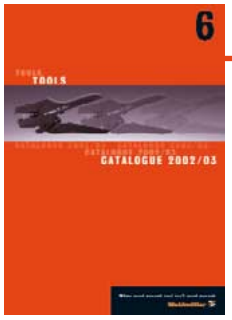



Sectional catalogue 4:

***Electronics 2002***
Cat. No. german: 5629120000
Cat. No. english: 5629010000


Sectional catalogue 5:

***Enclosures 2002***
Cat. No. german: 5629130000
Cat. No. english: 5629020000




Sectional catalogue 6:

***Tools 2002***
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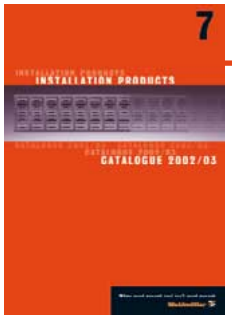
Cat. No. english: 5629030000




Sectional catalogue 7:

***Installation Products 2002***
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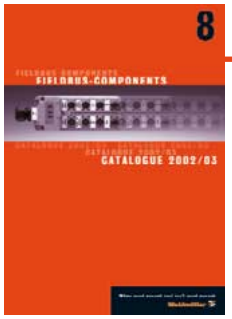
Cat. No. english: 5629040000




Sectional catalogue 8:

***Fieldbus-Components 2002***
Cat. No. german: 5629160000
Cat. No. english: 5629050000


Catalogue

***Core Assortment 2002***
Cat. No. german: 5629170000
Cat. No. english: 5629060000

**Complete set of 8 sectional catalogues. German: Cat.No. 5629200000 / English: Cat.No. 5629190000. Addtional: Catalogue slip case only: 5619250000**

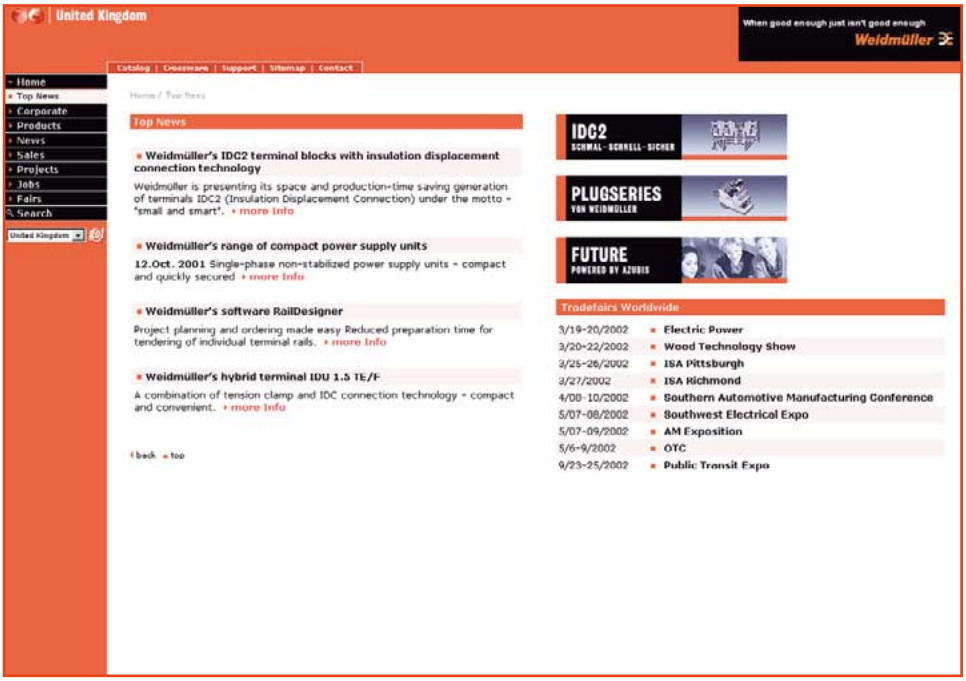
**Ordering hint**
We now only use 10-digit catalogue numbers.
Please note: The four digits may refer to a product variation (for example: 102998 0000 = standard and 102998 1111 = associated variation).
Wherever possible, please utilise 10-digit numbers only.

## Visit us on the World-Wide-Web

The official Weidmüller-Website contains information about the latest innovations, trade-show dates, press reports, certifications, software demos and much more.

**www.weidmueller.com ...**

**... the address for up-to-date information**



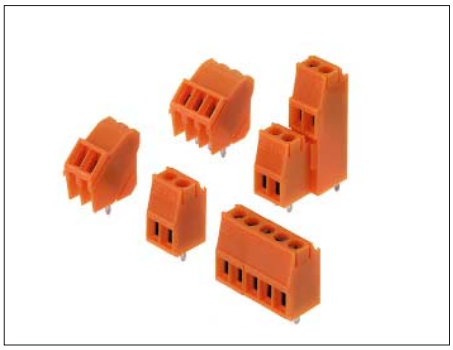
## Table of content

## Printed Circuit Board Terminals


≤ 1.5 mm² - Leaf Spring Connection

**Pitch 5.08/7.50 mm**

Page 12



≤ 1.5 mm² - Screw Clamp Connection

**Pitch 3.50 mm**

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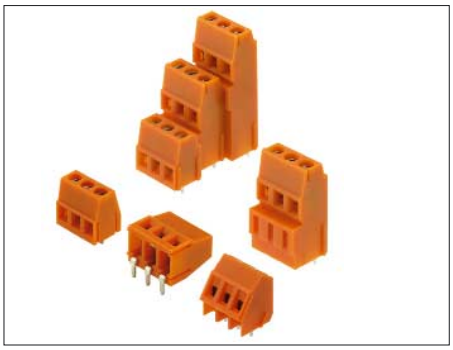

≤ 1.5 mm² - Screw Clamp Connection

**Pitch 5.00/5.08 mm**

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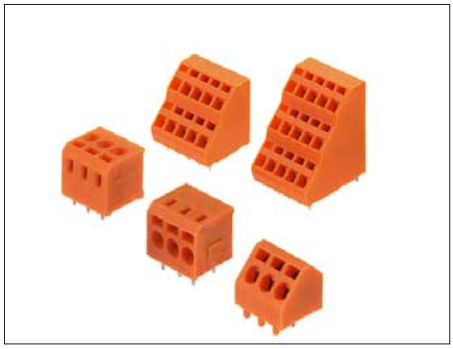

≤ 1.5 mm² - Tension Clamp Connection

**Pitch 5.08 mm**

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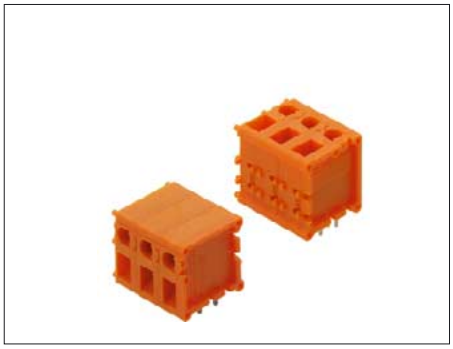

≤ 1.5 mm² - TOP Connection

**Pitch 5.08/7.62 mm**

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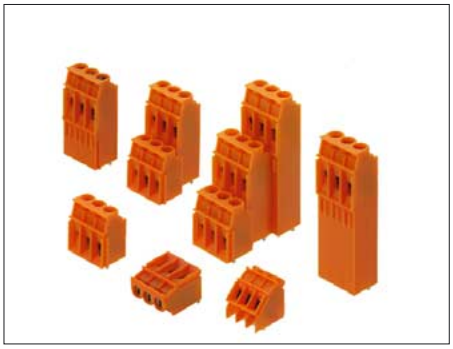

≤ 2.5 mm² - Screw Clamp Connection

**Pitch 5.00/5.08 mm**

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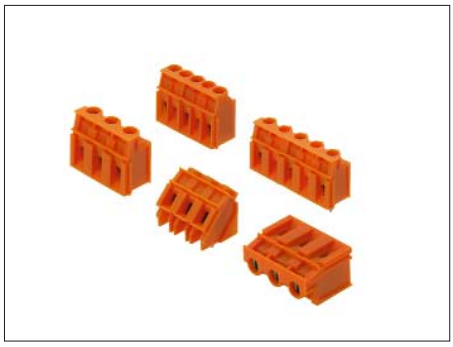

≤ 2.5 mm² - Screw Clamp Connection

**Pitch 7.50/7.62/10.00/15.00 mm**

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≤ 4.0 mm² - Screw Clamp Connection

**Pitch 9.52 mm**

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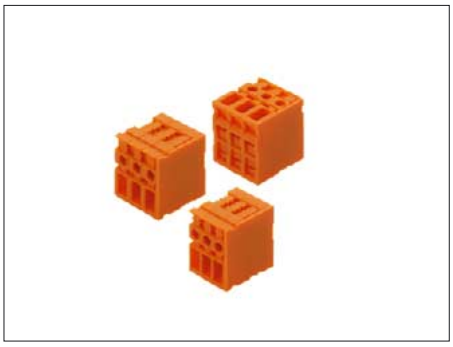

≤ 4.0 mm² - TOP Connection

**Pitch 6.35/7.62 mm**

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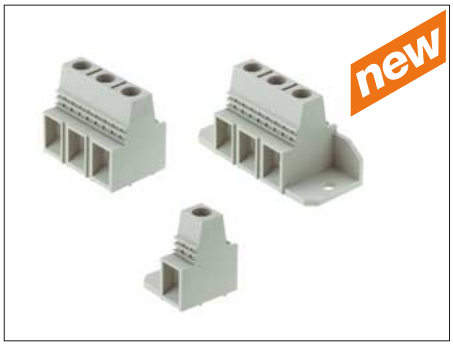
≤ 10.0 mm² - Screw Clamp Connection

**Pitch 10.16 mm**

Page 35




≤ 25.0 mm² - Screw Clamp Connection

**Pitch 15.00 mm**

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**Accessories**

**Fixing, Marking, Miscellaneous**

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**Minimate Range - S2L/B2L 3.5**

**Pitch 3.50 mm**

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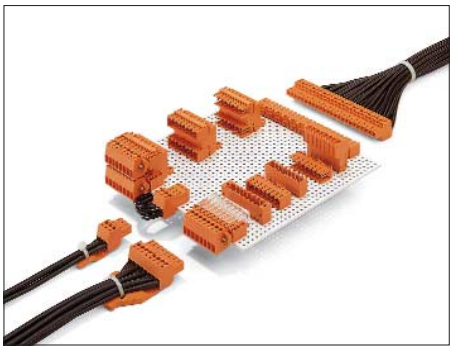

**Omnimate Range**

**Pitch 3.50 mm**

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**Omnimate Range - SL-SMT 3.5**

**Pitch 3.50 mm**

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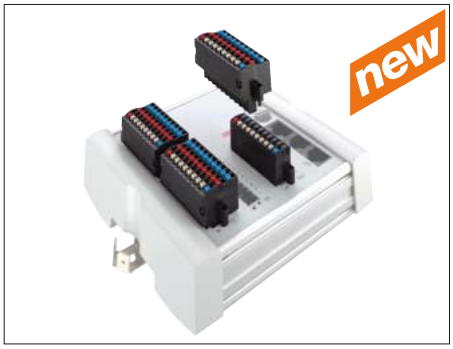


**Omnimate Range - BL I/O 3.5**

**Pitch 3.50 mm**

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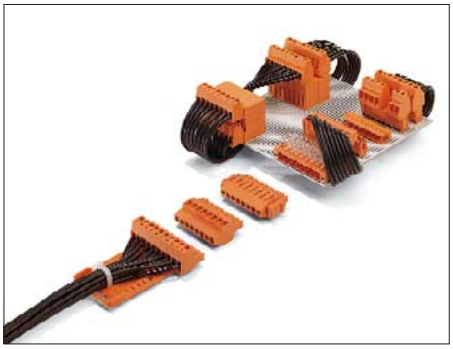

**Omnimate Range**

**Pitch 5.00/5.08 mm**

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**Omnimate Range - SL-SMT 5.08**

**Pitch 5.08 mm**

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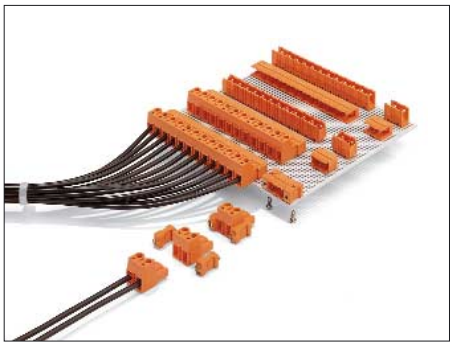

**Omnimate Range**

**Pitch 7.50/7.62 mm**

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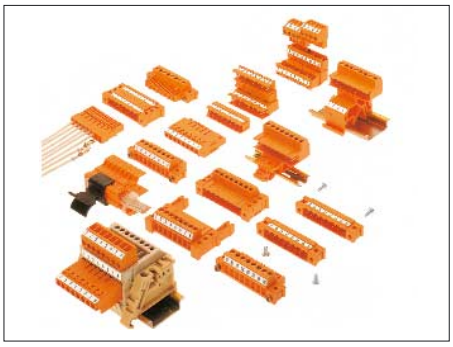

**Unimate Range - SLA/BLA**

**Pitch 5.08 mm**

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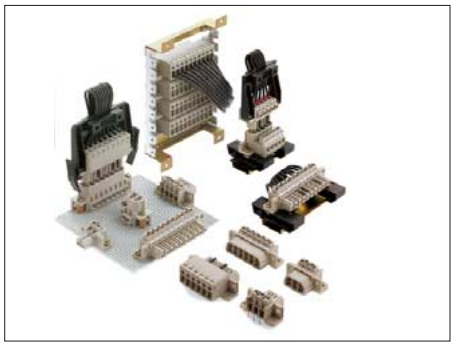

**Powermate Range - STV S/STW S**

**Pitch 7.00 mm**

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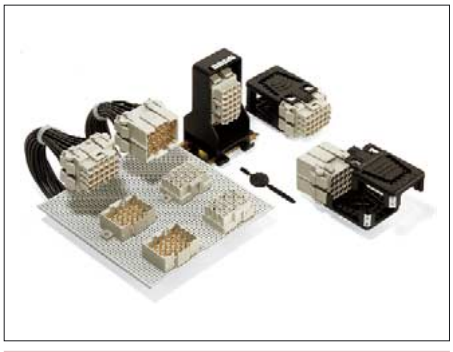

**Crimpmate Range - RSV 1.6**

**Pitch 5.00 mm**

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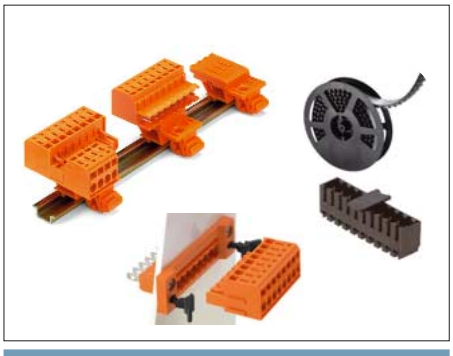

**Other Applications**

**Mounting rail, Through-panel, SL-SMT**

Page 174-188

**Accessories**

**Fixing, Marking, Coding, Miscellaneous**

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# What do the symbols mean ?

## Connection Systems


Leaf spring connection


Clamping yoke connection

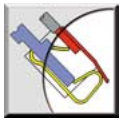

Tension clamp connection


TOP connection


IDC connections


Crimp connection


Push-on tab connection


Spring connection

## Pitch

3.50 mm

5.00 mm

5.08 mm

6.35 mm

7.00 mm

7.50 mm

7.62 mm

9.52 mm

10.00 mm

10.16 mm

15.00 mm

## Assembly on PCB


Solder connection

SMT connection (Through-Hole-Reflow)

## SMT - Packaging Type


Standard Box


Tape-on-Reel


Tray

## Lateral Termination


Pin header
with closed ends
(standard version)


Pin header
with open ends


Pin header
with flange


Pin header
with dovetails
(B version)


Socket block
(standard version)


Socket block
with flange


Socket block
with dovetails
(B version)


Socket block
with release lever

## Conductor Angles

PCB element:
Angle to the PCB 90°

Plug-in element: conductor connecting angle 90°

PCB element:
Angle to the PCB 110°

PCB element:
Angle to the PCB 135°

PCB element:
Angle to the PCB 180°

Plug-in element: conductor connecting angle 180°

Plug-in element: conductor connecting angle 225°

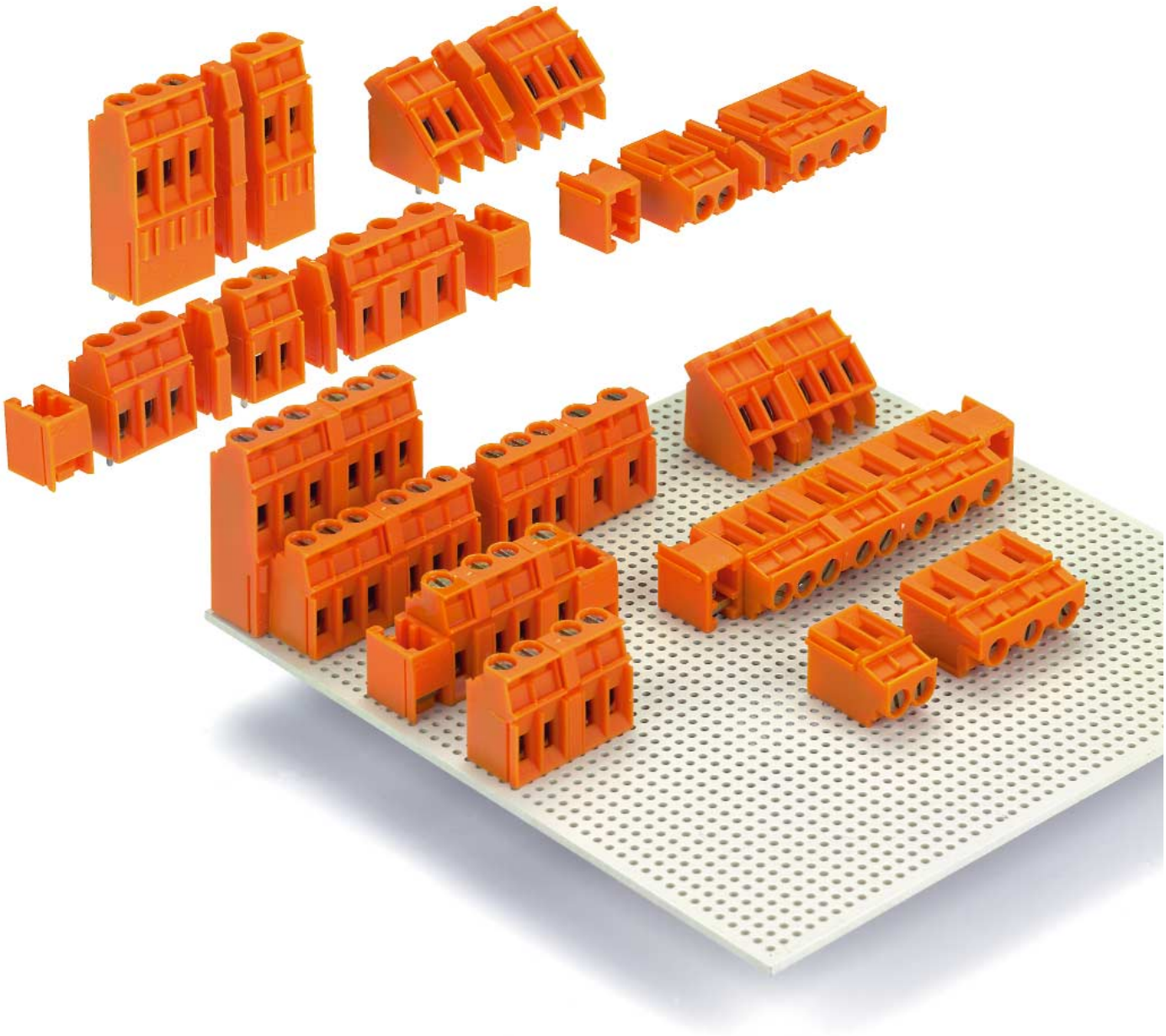
Plug-in element: conductor connecting angle 270°

## Single or Multiple Rows


Single-row


Multiple-rows


Double-level



## Printed Circuit Board Terminals

Weidmüller's ever expanding range of printed circuit board terminals have been designed to cater for the many varied application requirements faced by todays Design Engineers.

To solve these needs, we have produced a range of pcb terminals that offer a wide selection of clamping techniques, cable entry angles, multiple levels for higher density requirements, pitch spacing from 3.50 mm to 15.00 mm, cable acceptance up to 25.0 $mm^2$, high current and high voltage possibilities.

The terminals features are complimented by a range of accessories that complete our comprehensive range.

**Product features overview:**

- voltages up to 1000 V,
  currents up to 101 A,
  conductor cross-section up to 25.0 $mm^2$
- pitches from 3.50 to 15.00 mm
- wide selection of clamping techniques
- different cable entry angles
- multiple levels for higher density

## The easy way to the right PCB Terminal

**Select the:**

**1. Rated cross-section**

❑ ≤ 1.5 mm² ❑ ≤ 2.5 mm² ❑ ≤ 4.0 mm² ❑ ≤ 10.0 mm² ❑ ≤ 25.0 mm²

**2. 2. Pitch**

❑ 3.50 mm ❑ 5.00 mm ❑ 7.50 mm ❑ 10.00 mm ❑ 15.00 mm

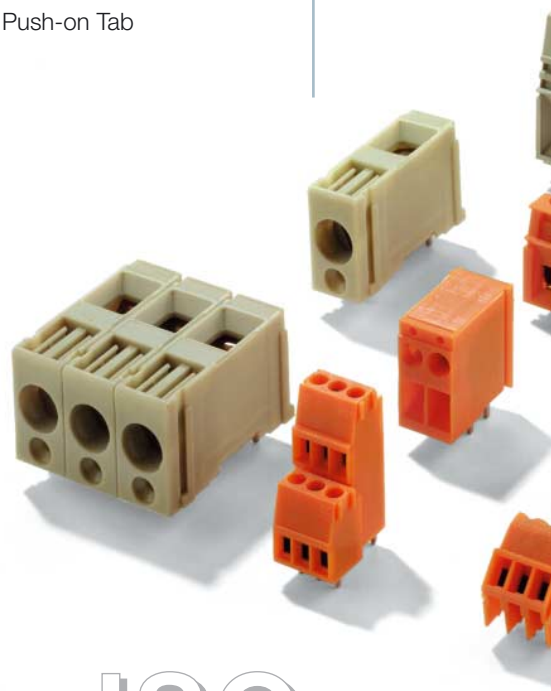
❑ 5.08 mm ❑ 6.35 mm ❑ 7.62 mm ❑ 9.52 mm ❑ 10.16 mm

**3. Orientation (cable entry angle)**

❑ 90° ❑ 135° (45°) ❑ 180°

**5. Connection techniques**

❑ Leaf Spring ❑ Screw Clamp ❑ Tension Clamp ❑ TOP ❑ Push-on Tab



**Colours**

We supply most terminals as standard in:

● orange ● black ● grey

Please consult the product section for exact availability of colours.

ISO 9000 ff

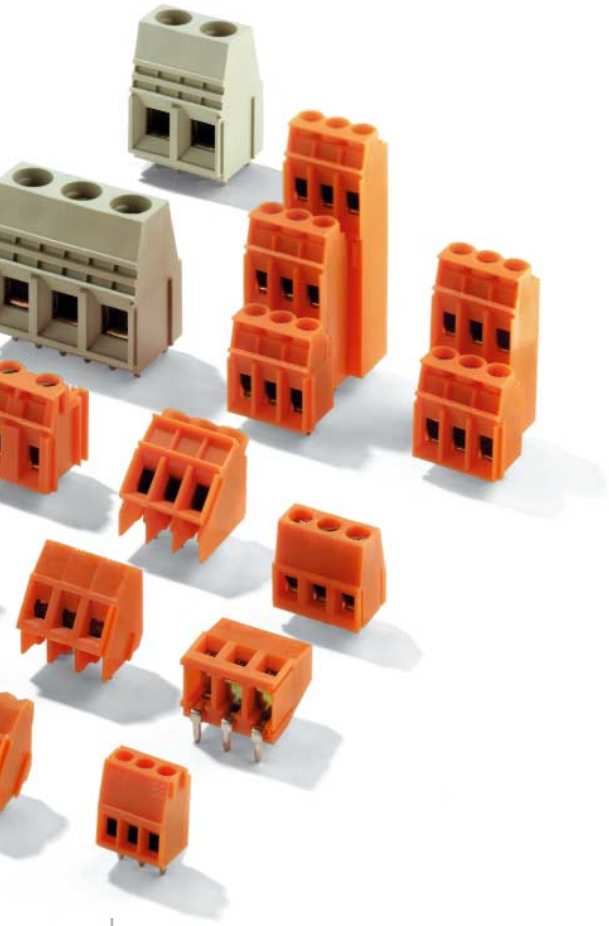
## We are there to solve your problems:

This catalogue presents a selection of our mainline PCB Terminal range. With these you will be able to cover most applications.
If you do however find that the product you need for your particular application is not listed here, please contact your nearest Weidmüller Sales Engineer or Representative. They will be only too pleased to advise you. In addition to the products here, we have specialised products and, in addition, we can fulfil most requests for different pin lengths and special colours.

### Reliable connections

**Screw clamp - tension clamp**

We supply the best connection for every application. All connection systems, whether screw clamp or tension clamp are 100 % reliable, maintenance-free and easy to use.



### Materials

Weidmüller products use insulation materials which have proved highly efficient in the electrical engineering sector.

Polyamide like PA 66 is one of the most frequently used technical plastic. PA 66 achieves the flammability class V-2 according to UL 94.

### Practical accessories

A well thought-out range of accessories are the perfect complement to our PCB terminals.

With our light guides you can mount the LED on a protected part of the PCB and still retain full visibility of the LED status. Our disconnection and fuse elements help you overcome board-construction difficulties.

Marking strips and tags ensure clarity of the connections. Fixing blocks, cross-connections, test plugs and tools round off the range.

## Product Selection Matrix

| | | Rated-cross-section | ≤ 1.5 mm² | | | | |
|---|---|---|---|---|---|---|---|
| | | Pitch in mm | 3.50 | 5.00 | 5.08 | 7.50/7.62 | 5.00 |
| **Construction** | **Orientation** | **Connection** | | | | | |
| single-level | 90° | Leaf spring | | | PM 5.08/90 p. 12 | | |
| | | Screw clamp | LM 3.5/90 p. 13 | LM 5.00/90 p. 15 | LM 5.08/90 p. 16 | | LP 5.00/90 p. 23 |
| | | TOP connection | | | TOP 1.5GS/90 p. 21 | TOP 1.5GS/90 p. 22 | |
| | | Push-on tab | | | | | GSF 5/90 p. 36 |
| | | Tension clamp | | | LMZF 5.08/90 p. 19 | | |
| | 90° with test point | Screw clamp | | | | | LPP 5.00/90 p. 23 |
| | 90° disconnection element w. test point | | | | | | |
| | 90° raised profile | Screw clamp | LM1N 3.5/90 p. 13 | | LM1N 5.08/90 p. 16 | | LP1N 5.00/90 p. 23 |
| | 90° high profile | Screw clamp | | | LM1H 5.08/90 p. 16 | | |
| | 135° | Leaf spring | | | MK8 5.08/135 p. 12 | MK7.5/135 p. 12 | |
| | | Screw clamp | LM 3.5/135 p. 13 | LM 5.00/135 p. 15 | LM 5.08/135 p. 17 | | |
| | | Tension clamp | | | LMZF 5.08/135 p. 19 | | |
| | 135° with test point | Screw clamp | | | | | LP 5.00/135 p. 24 |
| | 180° | Screw clamp | | LM 5.00/180 p. 15 | LM 5.08/180 p. 17 | | LP 5.00/180 p. 24 |
| | | TOP connection | | | TOP 1.5GS/180 p. 21 LMT 5.08/180 p. 21 | TOP 1.5GS/180 p. 22 | |
| | | Push-on tab | | | | | GSF 5/180 p. 37 |
| | | Tension clamp | | | LMZF 5.08/180 p. 19 | | |
| | 180° with test point | Screw clamp | | | | | |
| double-level | 90° offset left | Screw clamp | LM2N 3.5/90 p. 14 | | LM2N 5.08/90 p. 17 | | LP2N 5.00/90 p. 24 |
| | 90°, high, offset left | Screw clamp | | | LM2H 5.08/90 p. 18 | | |
| | 90°, high, offset right | Screw clamp | | | | | |
| | 135° | Tension clamp | | | LM2NZF 5.08/135 p. 20 | | |
| triple-level | 90° | Screw clamp | | | LM3R 5.08/90 p. 18 | | |
| | 135° | Tension clamp | | | LM3RZF 5.08/135 p. 20 | | |

| ≤ 2.5 mm² | | | | | ≤ 4 mm² | | | ≤ 10 mm² | ≤ 25 mm² |
|---|---|---|---|---|---|---|---|---|---|
| 5.08 | 7.50 | 7.62 | 10.00 | 15.00 | 6.35 | 7.62 | 9.52 | 10.16 | 15.00 |
| | | | | | | | | | |
| | | | | | | | | | |
| LP 5.08/90 p. 25 | LP 7.50/90 p. 29 | LP 7.62/90 p. 30 | LP 10.00/90 p. 32 | LP 15.00/90 p. 32 | | | LL 9.5 p. 33 | LU 10.16/90 p. 35 | |
| | | | | | TOP4GS/90 p. 33 | TOP4GS/90 p. 34 | | | |
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| | | | | | | | | | |
| LPP 5.08/90 p. 25 | LPP 7.50/90 Sp. 29 | LPP 7.62/90 p. 31 | | | | | | | LX 15.00/90 p. 36 |
| LPTR 5.08/90 p. 28 | | | | | | | | | |
| LP1N 5.08/90 p. 25 | | | | | | | | | |
| LP1H 5.08/90 p. 26 | | | | | | | | | |
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| | | | | | | | | | |
| | | | | | | | | | |
| LP 5.08/135 p. 26 | LP 7.50/135 S. 29 | LP 7.62/135 p. 31 | | | | | | | |
| LP 5.08/180 p. 26 | LP 7.50/180 S. 30 | LP 7.62/180 p. 31 | | | | | | | |
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| LP2H 5.08/90 p. 27 | | | | | | | | | |
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| | | | | | | | | | |
| LP3R 5.08/90 p. 28 | | | | | | | | | |
| | | | | | | | | | |

# Product Features

**Quick and reliable product selection**

**There is nothing easier than finding the right PCB terminal, quickly and reliably - at least from Weidmüller.**

This catalogue offers the right PCB terminal for every wire cross-section and for every voltage range. There are just 2 easy steps to finding the right PCB terminal for your particular application:

1. List the exact requirements
2. Choose the desired terminal

The selection matrix contains all relevant information needed to quickly find the right terminal. Once you've established which product, go to the page indicated to obtain all the important data including the catalogue number for easy ordering.

**Determining the requirements for your particular application**

The application determines the cross-section of the wire. The electrical ratings (voltage and current) determine the pitch. The constructional specifications will determine the orientation of the wire to and from the board.

Additional functions to suit the application could include a test point or an LED.

**Wire cross-section**

Weidmüller supplies PCB terminals for rated cross-sections ≤ 1.5 $mm^2$, ≤ 2.5 $mm^2$, ≤ 4.0 $mm^2$, ≤ 10.0 $mm^2$ and ≤ 25.0 $mm^2$.

Please see the upper row of the product selection matrix for the cross-sections.

Weidmüller terminals permit various wire orientations. Depending on the application, you can choose between 90°, 135° and 180°.

**90°** - wire parallel to the board

**135°** - wire at 135° (45°) to the board

**180°** - wire perpendicular to the board

Single-level, double-level and triple-level terminals are available with the following orientations and construction features.

| Single-level: | Double-level: | Triple-level: |
|---|---|---|
| 90°, 135° (45°), 180° | 90°, 135° (45°) | 90°, 135° (45°) |

**Pitches**

The operating voltage of the circuits and the current loading determine the creepages and clearances. These two parameters determine in turn the pitch you will require. The selection matrix lists the available pitches for each wire cross-section.

Please note when you are assembling your PCB that the rated data given in this catalogue refer exclusively to the connection elements. In accordance with VDE 0110 you will need to maintain the necessary creepage and clearance distances within your application. DIN IEC 326 Part 3 should be adhered to when determining the current loading for the PCB.

**Connection systems**

Weidmüller offers you a choice of five different connection techniques:

1. Leaf spring connection
2. Screw clamp connection
3. Tension clamp connection
4. TOP connection
5. Push-on tab connection

### Modular and block construction

Our PCB terminals are available both in modular and in block construction. The 1, 2, 3 and 4 pole terminals have a dovetail on the side and can be built up to multipole blocks by the customer. On request we can also provide multipole blocks ex factory. The modular products can be supplied with in the desired pole length.

### Printed circuit board terminals in block design

| | | | |
|---|---|---|---|
| PM 5.08 | MK8 | MK7.5 | |
| LM 3.5/90 | LM1N 3.5/90 | LM 3.5/135 | LM2N 3.5/90 |
| LM 5.00/90 | LM 5.00/135 | LM 5.00/180 | |
| LM 5.08/90 | LM1N 5.08/90 | LM1H 5.08/90 | LM 5.08/135 |
| LM 5.08/180 | LM2N 5.08/90 | LM2H 5.08/90 | LM3R 5.08/90 |
| TOP 1.5GS 5.08/90 | TOP 1.5GS 5.08/180 | | GSF5 |
| LP/90 all pitches | LP/135 all pitches | LP/180 all pitches | LP1N all pitches |
| LP1H 5.08 | LP2N 5.08/90 | LP2H 5.08/90 | LP3R 5.08/90 |
| LPTR 5.08/90 | LL 9.5 | GSE 10 | LU 10.16 |
| LX 15.00 | | | |

### Printed circuit board terminals in modular design

| | | | |
|---|---|---|---|
| LMZF 5.08/90 | LMZF 5.08/135 | LMZF 5.08/180 | |
| LM2NZF 5.08/135 | LM3RZF 5.08/135 | LPZF 5.08/180 | LMT 5.08 |
| TOP 1.5GS 7.62/90 | TOP 1.5GS 7.62/180 | | |
| TOP 4GS 6.35/90 | TOP 4GS 6.35/180 | TOP 4GS 7.62/90 | TOP 4GS 7.62/180 |

### Test points

For some applications it can be important to know if the connection is live.

For this purpose Weidmüller supplies various single-level PCB terminals with integrated test point.

### Leaf spring connection

The leaf spring connection is the simplest screw type connection.

### Screw clamp connection

This is the ultimate in screw connection technology: absolutely maintenance-free, large contact surface, superior locking force, and easy to handle. With the screw clamp connector the wire is at 90° to the screw.

### Tension clamp connection

When speed is essential, this is your choice. A clamp that is quick to wire, maintenance-free, and easy to handle. With the tension clamp the wire is parallel to the clamp opening tool.

### TOP connection

This is the screw connector where the wire is parallel to the screw. A pressure clamp of tempered steel ensures high contact force and a gas-tight connection.

### Push-on tab connection

The tab sleeve with the crimped conductor is pushed onto the terminal tab. The contact force is generated by the tab sleeve.

### True to pitch

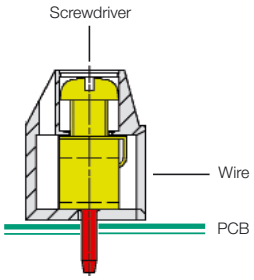
The application determines the number of wires being connected and the number of connections (poles) required.

The maximum number depends on the manufacturing tolerances. Good true-to-pitch permit a higher continuous number of poles.

# Construction

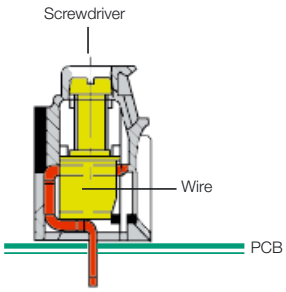
## Single-level, low 90°

### Leaf spring connection



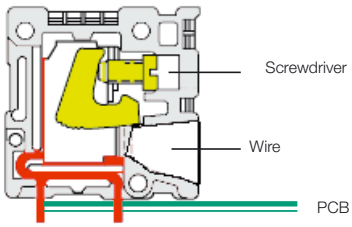

The wire is introduced parallel to the PCB. The clamping screw is perpendicular to the PCB.

### Tension clamp connection




The wire is introduced parallel to the PCB. The clamping screw is perpendicular to the PCB.

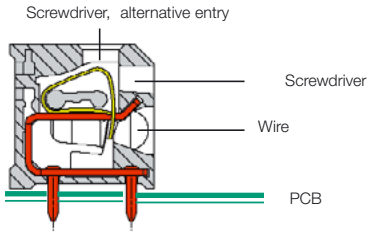
### TOP connection




The wire and the clamping screw are parallel to the PCB.

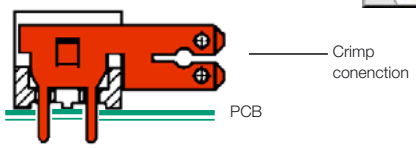
## Single-level, low 90°

### Tension clamp connection




The wire and the tension spring displacement entry are parallel to the PCB. There is also an alternative displacement entry at 90° to the wire entry.

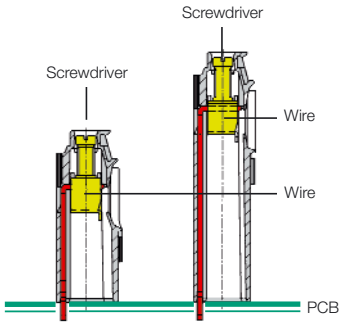
### Push-on tab connection




The tab sleeve with the crimped conductor is pushed onto the terminal tab parallel to the PCB.

## Single-level, raised and high 90°

### Screw clamp connection

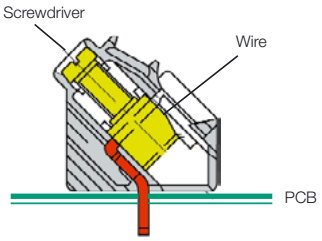



The wire is introduced parallel to the PCB. The clamping screw is perpendicular to the PCB. This PCB terminal is for customers who wish to assemble multi-row versions inhouse or also for PCB's that are to be lacquer-coated.

**Because of the increased height, the customer will need to ensure adequate supports on the board for this type of terminal.**

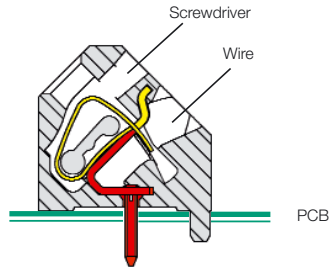
## Single-row, 135°

### Screw clamp connection



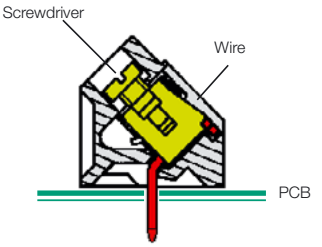

The wire is introduced at 135° (45°) to the PCB. The clamping screw is at 45° ( 135°) to the PCB.

### Tension clamp connection




The wire is introduced at an angle of 135° (45°) to the PCB. The spring displacement entry is parallel to the wire. There is also an alternative displacement entry at 90° to the wire entry.

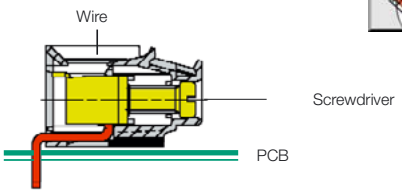
### Leaf spring connection




The wire is introduced at 135° (45°) to the PCB. The clamping screw is at 45° ( 135°) to the PCB.

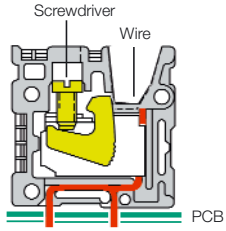
## Single-level, 180°

### Screw clamp connection



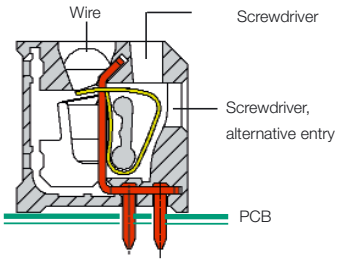

The wire is introduced perpendicular to the PCB. The clamping screw is parallel to the PCB.

### TOP connection



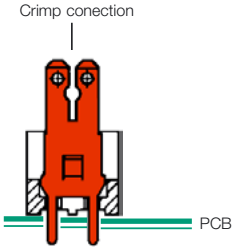

The wire is inserted perpendicular to the PCB, and parallel to the clamping screw.

### Tension clamp connection




The wire and the spring displacement entry are perpendicular to the PCB. The terminals also have an alternative displacement entry at 90° to the wire entry.

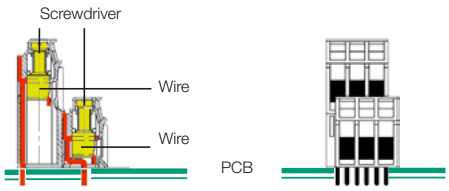
### Push-on tab connection




The tab sleeve with the crimped conductor is pushed onto the terminal tab perpendicular to the PCB.

## Double-level, low 90°

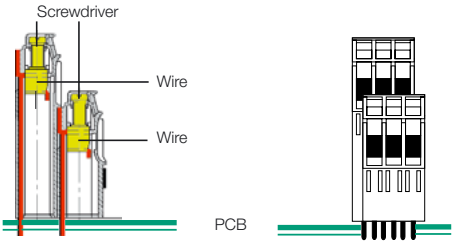
### Screw clamp connection Offset left




The wires are introduced parallel to the PCB. The upper level wire entry is offset to the left of the lower level. The clamping screws are perpendicular to the PCB.

## Double-level, high 90°

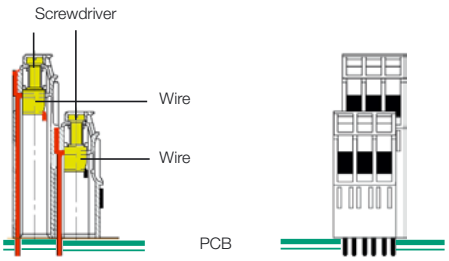
### Screw clamp connection Offset left




The wires are introduced parallel to the PCB. The upper-level wire entry is offset to the left of the lower level. The clamping screws are perpendicular to the PCB.

## Double-level, high 90°

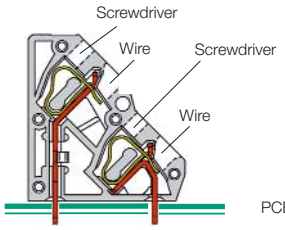
### Screw clamp connection Offset right




The wires are introduced parallel to the PCB. The upper level entry wires is offset to the right of the lower level.
The clamping screws are perpendicular to the PCB.

## Double-level, 135°

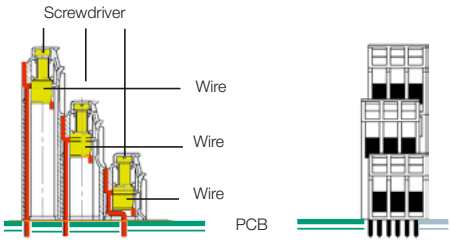
### Tension clamp connection




The wires are introduced at 135° (45°) to the PCB. The upper level wire entry is offset to the left of the lower level.

## Triple-level, 90°

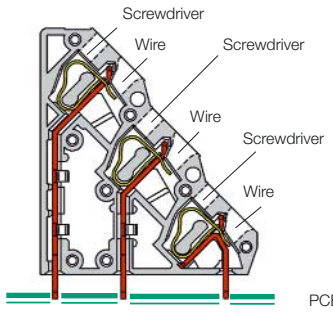
### Screw clamp connection




The wires are introduced parallel to the PCB. The middle-level wire entry is offset to the left of the lower and upper levels. The clamping screws are perpendicular to the PCB.

## Triple-level, 135°

### Tension clamp connection



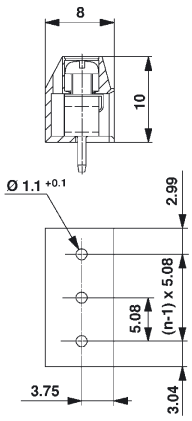

The wires are introduced at 135° (45°) to the PCB. The middle-level wire entry is offset to the left of the other levels.

# Rated cross-section ≤ 1.5 mm²



## PM 5.08/90

new


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 17.5 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 1.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 50

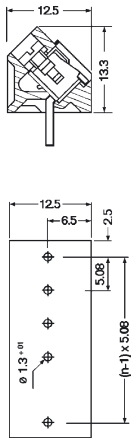
**Solder pin length** 3.5 mm 3.5 mm

**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | PM 5.08/2/90 | **1760490000** | **1760510000** | 500 |
| 3 | PM 5.08/3/90 | **1760500000** | **1760520000** | 500 |

| Accessories | Page |
|---|---|
| Marking | 42 |
| Fixing | - |
| Miscellaneous | 45 |

## MK8 5.08/135


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 150 | 150 |
| **Rated current** | A | 16 | 15 | 15 |
| **Clamping range max.** | mm²/AWG | 1.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 51

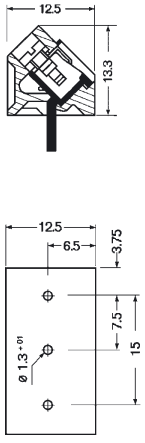
**Solder pin length** 5.0 mm

**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | MK 8/2 | **0332060000** | 200 |
| 3 | MK 8/3 | **0307860000** | 100 |
| 4 | MK 8/4 | **0307760000** | 100 |
| 10 | MK 8/10 | **0302660000** | 50 |

| Accessories | Page |
|---|---|
| Marking | 42 |
| Fixing | - |
| Miscellaneous | 45 |

## MK7.5/135


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 16 | 16 | 10 |
| **Clamping range max.** | mm²/AWG | 1.5 | 16 | 16 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 51

**Solder pin length** 5.0 mm

**Colour**

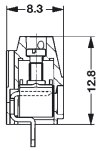
| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 3 | MK 7.5/3 | **0379260000** | 100 |

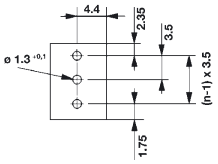
| Accessories | Page |
|---|---|
| Marking | 42 |
| Fixing | - |
| Miscellaneous | 45 |

# Rated cross-section ≤ 1.5 mm²



## LM 3.5/90


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 125* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 1.5 | 14 | 14 |

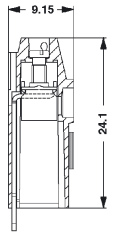
*Overvoltage category III / Pollution severity 3

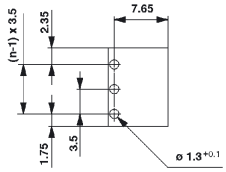
Additional technical data see page 52

| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | LM 3.5/2/90 | **1667750000** | **1699670000** | 100 |
| 3 | LM 3.5/3/90 | **1667770000** | **1699680000** | 100 |

| Accessories | Page |
|---|---|
| Marking | 42 |
| Fixing | - |
| Miscellaneous | 45 |

## LM1N 3.5/90


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 125* | 300 | 300 |
| **Rated current** | A | 10 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 1.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

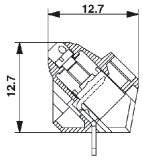
Additional technical data see page 52

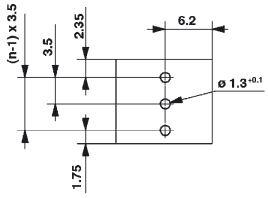
| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | LM1N 3.5/2 | **1716710000** | **1747380000** | 100 |
| 3 | LM1N 3.5/3 | **1716720000** | **1747390000** | 100 |

**Attention: Customers are advised to ensure support for LM1N on the printed circuit board.**

| Accessories | Page |
|---|---|
| Marking | 42 |
| Fixing | - |
| Miscellaneous | 45 |

## LM 3.5/135


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 125* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 1.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

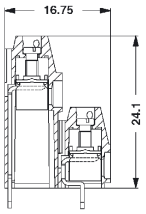
Additional technical data see page 52

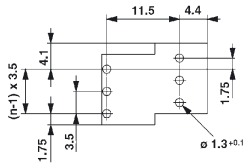
| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | LM 3.5/2/135 | **1714980000** | **1715010000** | 100 |
| 3 | LM 3.5/3/135 | **1715020000** | **1715050000** | 100 |

| Accessories | Page |
|---|---|
| Marking | - |
| Fixing | - |
| Miscellaneous | - |

# Rated cross-section ≤ 1.5 mm²


## LM2N 3.5/90




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 125* | 300 | 300 |
| **Rated current** | A | 10 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 1.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 52

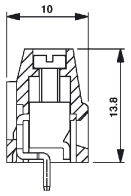
| **Solder pin length** | | **3.2 mm** | **4.5 mm** | |
|---|---|---|---|---|
| **Colour** | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 4 | LM2N 3.5/4 | **1703700000** | **1720000000** | 100 |
| 6 | LM2N 3.5/6 | **1703710000** | **1720010000** | 100 |
| 8 | LM2N 3.5/8 | **1703720000** | **1720020000** | 50 |
| 10 | LM2N 3.5/10 | **1703730000** | **1720030000** | 50 |
| 12 | LM2N 3.5/12 | **1703740000** | **1720040000** | 50 |
| 14 | LM2N 3.5/14 | **1703750000** | **1720050000** | 50 |
| 16 | LM2N 3.5/16 | **1703760000** | **1720060000** | 50 |
| 18 | LM2N 3.5/18 | **1703770000** | **1720070000** | 50 |
| 20 | LM2N 3.5/20 | **1703780000** | **1720080000** | 50 |
| 22 | LM2N 3.5/22 | **1703790000** | **1720090000** | 25 |
| 24 | LM2N 3.5/24 | **1703800000** | **1720100000** | 25 |
| 26 | LM2N 3.5/26 | **1703810000** | **1720110000** | 25 |
| 28 | LM2N 3.5/28 | **1703820000** | **1720120000** | 25 |
| 30 | LM2N 3.5/30 | **1703830000** | **1720130000** | 25 |
| 32 | LM2N 3.5/32 | **1703840000** | **1720140000** | 25 |
| 34 | LM2N 3.5/34 | **1703850000** | **1720150000** | 25 |
| 36 | LM2N 3.5/36 | **1703860000** | **1720160000** | 25 |
| 38 | LM2N 3.5/38 | **1703870000** | **1720170000** | 25 |
| 40 | LM2N 3.5/40 | **1703880000** | **1720180000** | 25 |
| 42 | LM2N 3.5/42 | **1703890000** | **1720190000** | 25 |
| 44 | LM2N 3.5/44 | **1703900000** | **1720200000** | 25 |
| 46 | LM2N 3.5/46 | **1703910000** | **1720210000** | 25 |
| 48 | LM2N 3.5/48 | **1703920000** | **1720220000** | 25 |

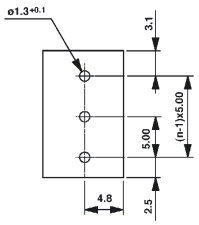
| Accessories | Page |
|---|---|
| Marking | 42 |
| Fixing | - |
| Miscellaneous | 45 |

# Rated cross-section ≤ 1.5 mm²



## LM 5.00/90


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 17.5 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 1.5 | 14 | 14 |

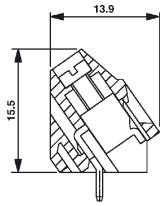
*Overvoltage category III / Pollution severity 3

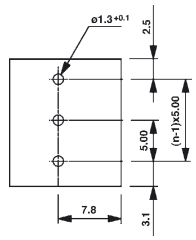
Additional technical data see page 53

| Solder pin length | | 3.5 mm | 3.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | LM 5.00/2/90 | **1715310000** | **1715250000** | 500 |
| 3 | LM 5.00/3/90 | **1715320000** | **1715260000** | 500 |

| Accessories | Page |
|---|---|
| Marking | 42 |
| Fixing | - |
| Miscellaneous | 45 |

## LM 5.00/135


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 17.5 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 1.5 | 14 | 14 |

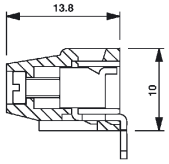
*Overvoltage category III / Pollution severity 3

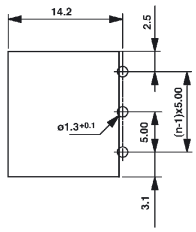
Additional technical data see page 53

| Solder pin length | | 3.5 mm | 3.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | LM 5.00/2/135 | **1715350000** | **1715290000** | 500 |
| 3 | LM 5.00/3/135 | **1715360000** | **1715300000** | 500 |

| Accessories | Page |
|---|---|
| Marking | 42 |
| Fixing | - |
| Miscellaneous | 45 |

## LM 5.00/180


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 17.5 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 1.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

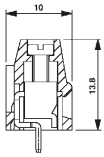
Additional technical data see page 53

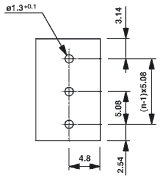
| Solder pin length | | 3.5 mm | 3.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | LM 5.00/2/180 | **1715330000** | **1715270000** | 500 |
| 3 | LM 5.00/3/180 | **1715340000** | **1715280000** | 500 |

| Accessories | Page |
|---|---|
| Marking | 42 |
| Fixing | - |
| Miscellaneous | 45 |

# Rated cross-section ≤ 1.5 mm²


## LM 5.08/90




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 17.5 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 1.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 53

**Solder pin length** 3.5 mm 3.5 mm

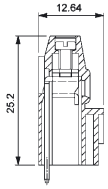
**Colour**

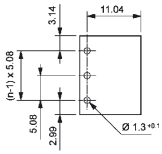
| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | LM 5.08/2/90 | **1716080000** | **1716020000** | 500 |
| 3 | LM 5.08/3/90 | **1716090000** | **1716030000** | 500 |

| Accessories | Page |
|---|---|
| Marking | 42 |
| Fixing | - |
| Miscellaneous | 45 |

## LM1N 5.08/90

new




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 16 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 1.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 53

**Solder pin length** 3.5 mm 3.5 mm

**Colour**

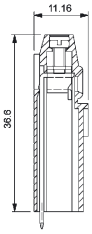
| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | LM1N 5.08/2/90 | **1766300000** | **1766320000** | 500 |
| 3 | LM1N 5.08/3/90 | **1766310000** | **1766330000** | 500 |

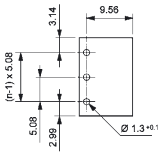
**Attention: Customers are advised to ensure support for LM1N on the printed circuit board.**

| Accessories | Page |
|---|---|
| Marking | 42 |
| Fixing | - |
| Miscellaneous | 45 |

## LM1H 5.08/90

new




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 16 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 1.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 53

**Solder pin length** 3.5 mm 3.5 mm

**Colour**

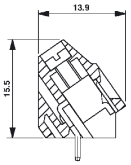
| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | LM1H 5.08/2/90 | **1766360000** | **1766380000** | 250 |
| 3 | LM1H 5.08/3/90 | **1766370000** | **1766390000** | 250 |

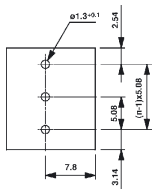
**Attention: Customers are advised to ensure support for LM1H on the printed circuit board.**

| Accessories | Page |
|---|---|
| Marking | 42 |
| Fixing | - |
| Miscellaneous | 45 |




## LM 5.08/135




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 17.5 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 1.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 53

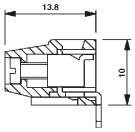
**Solder pin length** 3.5 mm 3.5 mm

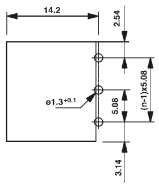
**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | LM 5.08/2/135 | **1716120000** | **1716060000** | 500 |
| 3 | LM 5.08/3/135 | **1716130000** | **1716070000** | 500 |

| Accessories | Page |
|---|---|
| Marking | 42 |
| Fixing | - |
| Miscellaneous | 45 |

## LM 5.08/180




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 17.5 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 1.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 53

**Solder pin length** 3.5 mm 3.5 mm

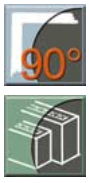
**Colour**

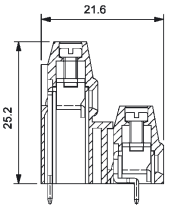
| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | LM 5.08/2/180 | **1716100000** | **1716040000** | 500 |
| 3 | LM 5.08/3/180 | **1716110000** | **1716050000** | 500 |

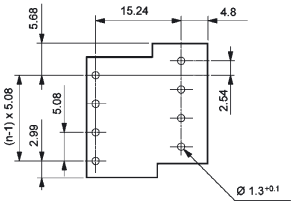
| Accessories | Page |
|---|---|
| Marking | 42 |
| Fixing | - |
| Miscellaneous | 45 |

## LM2N 5.08/90

new






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 15.5 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 1.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 53

**Solder pin length** 3.5 mm 3.5 mm

**Colour**

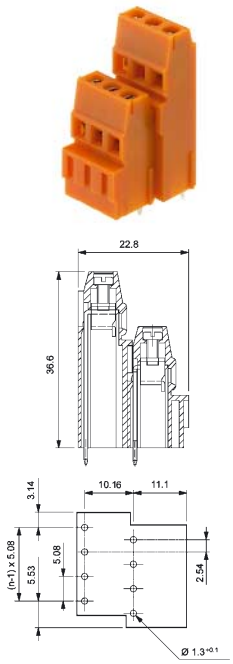
| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 4 | LM2N 5.08/4 | **1768850000** | **1769080000** | 50 |
| 6 | LM2N 5.08/6 | **1768860000** | **1769090000** | 50 |
| 8 | LM2N 5.08/8 | **1768870000** | **1769100000** | 50 |
| 10 | LM2N 5.08/10 | **1768880000** | **1769110000** | 50 |
| 12 | LM2N 5.08/12 | **1768890000** | **1769120000** | 50 |
| 14 | LM2N 5.08/14 | **1768900000** | **1769130000** | 50 |
| 16 | LM2N 5.08/16 | **1768910000** | **1769140000** | 20 |
| 18 | LM2N 5.08/18 | **1768920000** | **1769150000** | 20 |
| 20 | LM2N 5.08/20 | **1768930000** | **1769160000** | 20 |
| 22 | LM2N 5.08/22 | **1768940000** | **1769170000** | 20 |
| 24 | LM2N 5.08/24 | **1768950000** | **1769180000** | 10 |
| 26 | LM2N 5.08/26 | **1768960000** | **1769190000** | 10 |
| 28 | LM2N 5.08/28 | **1768970000** | **1769200000** | 10 |
| 30 | LM2N 5.08/30 | **1768980000** | **1769210000** | 10 |
| 32 | LM2N 5.08/32 | **1768990000** | **-** | 10 |
| 34 | LM2N 5.08/34 | **1769000000** | **-** | 10 |
| 36 | LM2N 5.08/36 | **1769010000** | **-** | 10 |
| 38 | LM2N 5.08/38 | **1769020000** | **-** | 10 |
| 40 | LM2N 5.08/40 | **1769030000** | **-** | 10 |
| 42 | LM2N 5.08/42 | **1769040000** | **-** | 10 |
| 44 | LM2N 5.08/44 | **1769050000** | **-** | 10 |
| 46 | LM2N 5.08/46 | **1769060000** | **-** | 10 |
| 48 | LM2N 5.08/48 | **1769070000** | **-** | 10 |

| Accessories | Page |
|---|---|
| Marking | 42 |
| Fixing | - |
| Miscellaneous | 45 |

# Rated cross-section ≤ 1.5 mm²


## LM2H 5.08/90

new




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 15 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 1.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 53

**Solder pin length** 3.5 mm 3.5 mm

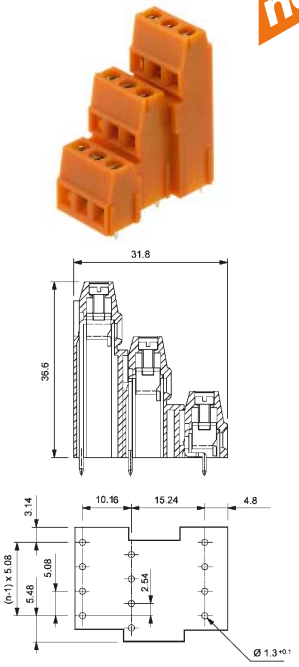
**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 4 | LM2H 5.08/4 | **1769240000** | **1769470000** | 50 |
| 6 | LM2H 5.08/6 | **1769250000** | **1769480000** | 50 |
| 8 | LM2H 5.08/8 | **1769260000** | **1769490000** | 50 |
| 10 | LM2H 5.08/10 | **1769270000** | **1769500000** | 50 |
| 12 | LM2H 5.08/12 | **1769280000** | **1769510000** | 20 |
| 14 | LM2H 5.08/14 | **1769290000** | **1769520000** | 20 |
| 16 | LM2H 5.08/16 | **1769300000** | **1769530000** | 20 |
| 18 | LM2H 5.08/18 | **1769310000** | **1769540000** | 20 |
| 20 | LM2H 5.08/20 | **1769320000** | **1769550000** | 20 |
| 22 | LM2H 5.08/22 | **1769330000** | **1769560000** | 20 |
| 24 | LM2H 5.08/24 | **1769340000** | **1769570000** | 10 |
| 26 | LM2H 5.08/26 | **1769350000** | **1769580000** | 10 |
| 28 | LM2H 5.08/28 | **1769360000** | **1769590000** | 10 |
| 30 | LM2H 5.08/30 | **1769370000** | **1769600000** | 10 |
| 32 | LM2H 5.08/32 | **1769380000** | - | 10 |
| 34 | LM2H 5.08/34 | **1769390000** | - | 10 |
| 36 | LM2H 5.08/36 | **1769400000** | - | 10 |
| 38 | LM2H 5.08/38 | **1769410000** | - | 10 |
| 40 | LM2H 5.08/40 | **1769420000** | - | 10 |
| 42 | LM2H 5.08/42 | **1769430000** | - | 10 |
| 44 | LM2H 5.08/44 | **1769440000** | - | 10 |
| 46 | LM2H 5.08/46 | **1769450000** | - | 10 |
| 48 | LM2H 5.08/48 | **1769460000** | - | 10 |

| Accessories | Page |
|---|---|
| Marking | 42 |
| Fixing | - |
| Miscellaneous | 45 |

## LM3R 5.08/90

new




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 13.5 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 1.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 53

**Solder pin length** 3.5 mm 3.5 mm

**Colour**

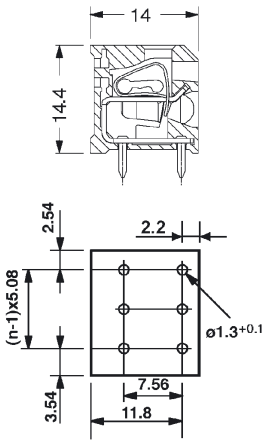
| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 6 | LM3R 5.08/6 | **1769620000** | **1769930000** | 50 |
| 9 | LM3R 5.08/9 | **1769630000** | **1769940000** | 50 |
| 12 | LM3R 5.08/12 | **1769640000** | **1769950000** | 50 |
| 15 | LM3R 5.08/15 | **1769650000** | **1769960000** | 25 |
| 18 | LM3R 5.08/18 | **1769660000** | **1769970000** | 25 |
| 21 | LM3R 5.08/21 | **1769670000** | **1769980000** | 25 |
| 24 | LM3R 5.08/24 | **1769680000** | **1769990000** | 20 |
| 27 | LM3R 5.08/27 | **1769690000** | **1770000000** | 20 |
| 30 | LM3R 5.08/30 | **1769700000** | **1770010000** | 10 |
| 33 | LM3R 5.08/33 | **1769710000** | **1770020000** | 10 |
| 36 | LM3R 5.08/36 | **1769720000** | **1770030000** | 10 |
| 39 | LM3R 5.08/39 | **1769730000** | **1770040000** | 10 |
| 42 | LM3R 5.08/42 | **1769740000** | **1770050000** | 10 |
| 45 | LM3R 5.08/45 | **1769750000** | **1770060000** | 10 |
| 48 | LM3R 5.08/48 | **1769760000** | - | 10 |
| 51 | LM3R 5.08/51 | **1769770000** | - | 10 |
| 54 | LM3R 5.08/54 | **1769780000** | - | 10 |
| 57 | LM3R 5.08/57 | **1769790000** | - | 10 |
| 60 | LM3R 5.08/60 | **1769800000** | - | 10 |
| 63 | LM3R 5.08/63 | **1769810000** | - | 10 |
| 66 | LM3R 5.08/66 | **1769820000** | - | 10 |
| 69 | LM3R 5.08/69 | **1769830000** | - | 10 |
| 72 | LM3R 5.08/72 | **1769840000** | - | 10 |

| Accessories | Page |
|---|---|
| Marking | 42 |
| Fixing | - |
| Miscellaneous | 45 |

# Rated cross-section ≤ 1.5 mm²



## LMZF 5.08/90


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 14 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 1.5 | 14 | 14 |

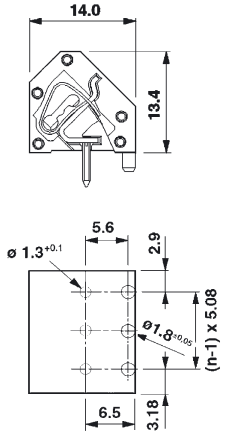
*Overvoltage category III / Pollution severity 3

Additional technical data see page 54

| Solder pin length | | 2.8 mm | 4.1 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | LMZF 5.08/2/90 | **1701430000** | **1721640000** | 100 |
| 3 | LMZF 5.08/3/90 | **1701440000** | **1721650000** | 100 |
| 4 | LMZF 5.08/4/90 | **1721370000** | **1721660000** | 100 |
| 5 | LMZF 5.08/5/90 | **1701450000** | **1721670000** | 50 |
| 6 | LMZF 5.08/6/90 | **1721380000** | **1721680000** | 50 |
| 7 | LMZF 5.08/7/90 | **1721390000** | **1721690000** | 50 |
| 8 | LMZF 5.08/8/90 | **1721400000** | **1721700000** | 50 |
| 9 | LMZF 5.08/9/90 | **1721410000** | **1721710000** | 25 |
| 10 | LMZF 5.08/10/90 | **1721420000** | **1721720000** | 25 |
| 11 | LMZF 5.08/11/90 | **1721430000** | **1721730000** | 25 |
| 12 | LMZF 5.08/12/90 | **1721440000** | **1721740000** | 25 |

| Accessories | Page |
|---|---|
| Marking | 42 |
| Fixing | - |
| Miscellaneous | 45 |

## LMZF 5.08/135


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 14 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 1.5 | 14 | 14 |

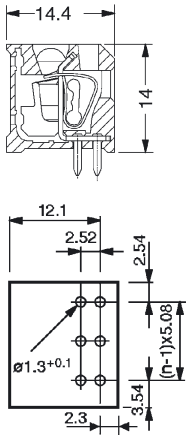
*Overvoltage category III / Pollution severity 3

Additional technical data see page 54

| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | LMZF 5.08/2/135 | **1714590000** | **1734220000** | 100 |
| 3 | LMZF 5.08/3/135 | **1715180000** | **1734230000** | 100 |
| 4 | LMZF 5.08/4/135 | **1715190000** | **1734240000** | 100 |
| 5 | LMZF 5.08/5/135 | **1717770000** | **1734250000** | 50 |
| 6 | LMZF 5.08/6/135 | **1717780000** | **1734260000** | 50 |
| 7 | LMZF 5.08/7/135 | **1717110000** | **1734270000** | 50 |
| 8 | LMZF 5.08/8/135 | **1715200000** | **1734280000** | 50 |
| 9 | LMZF 5.08/9/135 | **1717120000** | **1734290000** | 25 |
| 10 | LMZF 5.08/10/135 | **1715210000** | **1734300000** | 25 |
| 11 | LMZF 5.08/11/135 | **1717130000** | **1734310000** | 25 |
| 12 | LMZF 5.08/12/135 | **1715220000** | **1734320000** | 25 |

| Accessories | Page |
|---|---|
| Marking | 42 |
| Fixing | - |
| Miscellaneous | 45 |

## LMZF 5.08/180


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 14 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 1.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

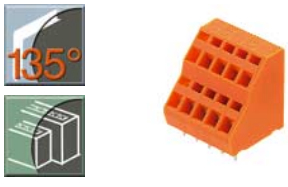
Additional technical data see page 54

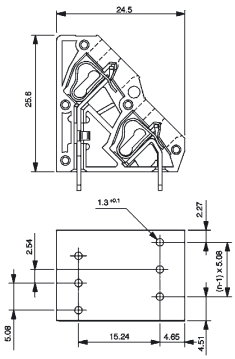
| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | LMZF 5.08/2/180 | **1701550000** | **1722400000** | 100 |
| 3 | LMZF 5.08/3/180 | **1701560000** | **1722410000** | 100 |
| 4 | LMZF 5.08/4/180 | **1722130000** | **1722420000** | 100 |
| 5 | LMZF 5.08/5/180 | **1701570000** | **1722430000** | 50 |
| 6 | LMZF 5.08/6/180 | **1722140000** | **1722440000** | 50 |
| 7 | LMZF 5.08/7/180 | **1722150000** | **1722450000** | 50 |
| 8 | LMZF 5.08/8/180 | **1722160000** | **1722460000** | 50 |
| 9 | LMZF 5.08/9/180 | **1722170000** | **1722470000** | 25 |
| 10 | LMZF 5.08/10/180 | **1722180000** | **1722480000** | 25 |
| 11 | LMZF 5.08/11/180 | **1722190000** | **1722490000** | 25 |
| 12 | LMZF 5.08/12/180 | **1722200000** | **1722500000** | 25 |

| Accessories | Page |
|---|---|
| Marking | 42 |
| Fixing | - |
| Miscellaneous | 45 |

# Rated cross-section ≤ 1.5 mm²

## LM2NZF 5.08/135






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 2.5 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 55

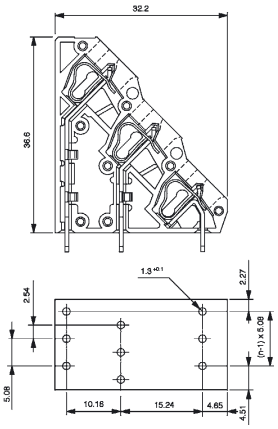
**Solder pin length** **3.5 mm**

**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 4 | LM2NZF 5.08/4 | **1764810000** | 50 |
| 6 | LM2NZF 5.08/6 | **1764820000** | 50 |
| 8 | LM2NZF 5.08/8 | **1764830000** | 50 |
| 10 | LM2NZF 5.08/10 | **1764840000** | 50 |
| 12 | LM2NZF 5.08/12 | **1764850000** | 50 |
| 14 | LM2NZF 5.08/14 | **1764860000** | 20 |
| 16 | LM2NZF 5.08/16 | **1764870000** | 20 |
| 18 | LM2NZF 5.08/18 | **1764880000** | 20 |
| 20 | LM2NZF 5.08/20 | **1758020000** | 20 |
| 22 | LM2NZF 5.08/22 | **1764890000** | 20 |
| 24 | LM2NZF 5.08/24 | **1764900000** | 10 |

| Accessories | Page |
|---|---|
| Marking | 42 |
| Fixing | - |
| Miscellaneous | 45 |

## LM3RZF 5.08/135




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 2.5 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 55

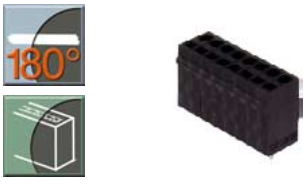
**Solder pin length** **3.5 mm**

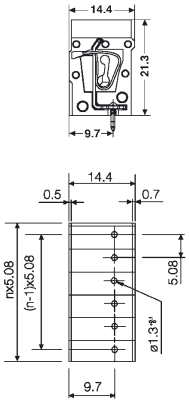
**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 6 | LM3RZF 5.08/6 | **1764910000** | 50 |
| 9 | LM3RZF 5.08/9 | **1764920000** | 50 |
| 12 | LM3RZF 5.08/12 | **1764930000** | 50 |
| 15 | LM3RZF 5.08/15 | **1764940000** | 20 |
| 18 | LM3RZF 5.08/18 | **1764950000** | 20 |
| 21 | LM3RZF 5.08/21 | **1758040000** | 20 |
| 24 | LM3RZF 5.08/24 | **1764960000** | 10 |
| 27 | LM3RZF 5.08/27 | **1764970000** | 10 |
| 30 | LM3RZF 5.08/30 | **1758030000** | 10 |
| 33 | LM3RZF 5.08/33 | **1764980000** | 10 |
| 36 | LM3RZF 5.08/36 | **1764990000** | 10 |
| 48 | LM3RZF 5.08/48 | **1758050000** | 10 |

| Accessories | Page |
|---|---|
| Marking | 42 |
| Fixing | - |
| Miscellaneous | 45 |

## LPZF 5.08/180






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 16 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 2.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 55

**Solder pin length** **3.2 mm** **4.5 mm**

**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | LPZF 5.08/2/180 | **1698450000** | **1698560000** | 100 |
| 3 | LPZF 5.08/3/180 | **1698460000** | **1698570000** | 100 |
| 4 | LPZF 5.08/4/180 | **1698470000** | **1698580000** | 100 |
| 5 | LPZF 5.08/5/180 | **1698480000** | **1698590000** | 50 |
| 6 | LPZF 5.08/6/180 | **1698490000** | **1698600000** | 50 |
| 7 | LPZF 5.08/7/180 | **1698500000** | **1698610000** | 50 |
| 8 | LPZF 5.08/8/180 | **1698510000** | **1698620000** | 50 |
| 9 | LPZF 5.08/9/180 | **1698520000** | **1698630000** | 25 |
| 10 | LPZF 5.08/10/180 | **1698530000** | **1698640000** | 25 |
| 11 | LPZF 5.08/11/180 | **1698540000** | **1698650000** | 25 |
| 12 | LPZF 5.08/12/180 | **1698550000** | **1698660000** | 25 |

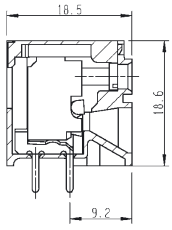
**Design compatible with LMT 5.08/180** on page 21

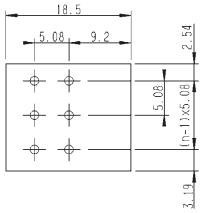
| Accessories | Page |
|---|---|
| Marking | 42 |
| Fixing | - |
| Miscellaneous | 45 |

# Rated cross-section ≤ 1.5 mm²

## TOP 1.5GS 5.08/90


block construc-tion




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 16 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 1.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 56

**Solder pin length** 3.8 mm 3.8 mm

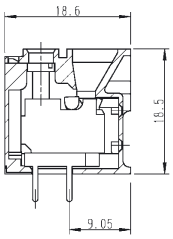
**Colour**

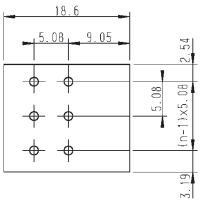
| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | TOP1.5GS/2/90 | **1785590000** | **1785700000** | 100 |
| 3 | TOP1.5GS/3/90 | **1785600000** | **1785710000** | 100 |
| 4 | TOP1.5GS/4/90 | **1785610000** | **1785720000** | 100 |
| 5 | TOP1.5GS/5/90 | **1785620000** | **1785730000** | 50 |
| 6 | TOP1.5GS/6/90 | **1785630000** | **1785740000** | 50 |
| 7 | TOP1.5GS/7/90 | **1785640000** | **1785750000** | 50 |
| 8 | TOP1.5GS/8/90 | **1785650000** | **1785760000** | 50 |
| 9 | TOP1.5GS/9/90 | **1785660000** | **1785770000** | 50 |
| 10 | TOP1.5GS/10/90 | **1785670000** | **1785780000** | 50 |
| 11 | TOP1.5GS/11/90 | **1785680000** | **1785790000** | 50 |
| 12 | TOP1.5GS/12/90 | **1785690000** | **1785800000** | 50 |

| Accessories | Page |
|---|---|
| Marking | 42 |
| Fixing | - |
| Miscellaneous | 45 |

## TOP 1.5GS 5.08/180


block construc-tion




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 16 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 1.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 56

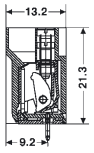
**Solder pin length** 4.8 mm 4.8 mm

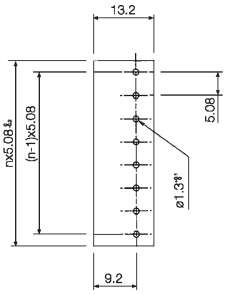
**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | TOP1.5GS/2/180 | **1785810000** | **1785920000** | 100 |
| 3 | TOP1.5GS/3/180 | **1785820000** | **1785930000** | 100 |
| 4 | TOP1.5GS/4/180 | **1785830000** | **1785940000** | 100 |
| 5 | TOP1.5GS/5/180 | **1785840000** | **1785950000** | 50 |
| 6 | TOP1.5GS/6/180 | **1785850000** | **1785960000** | 50 |
| 7 | TOP1.5GS/7/180 | **1785860000** | **1785970000** | 50 |
| 8 | TOP1.5GS/8/180 | **1785870000** | **1785980000** | 50 |
| 9 | TOP1.5GS/9/180 | **1785880000** | **1785990000** | 50 |
| 10 | TOP1.5GS/10/180 | **1785890000** | **1786000000** | 50 |
| 11 | TOP1.5GS/11/180 | **1785900000** | **1786010000** | 50 |
| 12 | TOP1.5GS/12/180 | **1785910000** | **1786020000** | 50 |

| Accessories | Page |
|---|---|
| Marking | 42 |
| Fixing | - |
| Miscellaneous | 45 |

## LMT 5.08/180


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 16 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 1.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 56

**Solder pin length** 3.2 mm 4.5 mm

**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | LMT 5.08/2/180 | **1692860000** | **1692750000** | 100 |
| 3 | LMT 5.08/3/180 | **1692870000** | **1692760000** | 100 |
| 4 | LMT 5.08/4/180 | **1692880000** | **1692770000** | 100 |
| 5 | LMT 5.08/5/180 | **1692890000** | **1692780000** | 50 |
| 6 | LMT 5.08/6/180 | **1692900000** | **1692790000** | 50 |
| 7 | LMT 5.08/7/180 | **1692910000** | **1692800000** | 50 |
| 8 | LMT 5.08/8/180 | **1692920000** | **1692810000** | 50 |
| 9 | LMT 5.08/9/180 | **1692930000** | **1692820000** | 25 |
| 10 | LMT 5.08/10/180 | **1692940000** | **1692830000** | 25 |
| 11 | LMT 5.08/11/180 | **1692950000** | **1692840000** | 25 |
| 12 | LMT 5.08/12/180 | **1692960000** | **1692850000** | 25 |

**Design compatible with LPZF 5.08/180** on page 20

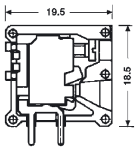
**Attention:** We recommend protecting the 2 and 3 pole blocks of the LMT 5.08/180 from twisting by using additional support.

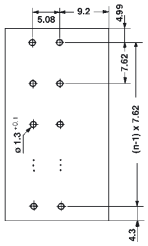
| Accessories | Page |
|---|---|
| Marking | - |
| Fixing | - |
| Miscellaneous | 45 |

# Rated cross-section ≤ 1.5 mm²

## TOP 1.5GS 7.62/90


modular construc-tion




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 16 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 1.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 57

**Solder pin length** **3.5 mm**

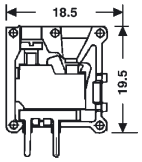
**Colour**

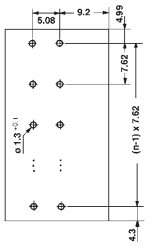
| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | TOP1.5GS2/90 | **0393360000** | 100 |
| 3 | TOP1.5GS3/90 | **0393460000** | 100 |
| 4 | TOP1.5GS4/90 | **0393560000** | 50 |
| 5 | TOP1.5GS5/90 | **0393660000** | 25 |
| 6 | TOP1.5GS6/90 | **1683990000** | 20 |
| 7 | TOP1.5GS7/90 | **1647310000** | 20 |
| 8 | TOP1.5GS8/90 | **0642460000** | 20 |
| 10 | TOP1.5GS10/90 | **0642560000** | 20 |

| Accessories | Page |
|---|---|
| Marking | 42 |
| Fixing | - |
| Miscellaneous | 45 |

## TOP 1.5GS 7.62/180


modular construc-tion




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 16 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 1.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 57

**Solder pin length** **4.5 mm**

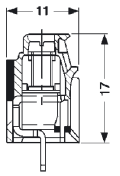
**Colour**

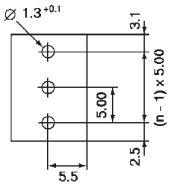
| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | TOP1.5GS2/180 | **0391360000** | 100 |
| 3 | TOP1.5GS3/180 | **0391460000** | 50 |
| 4 | TOP1.5GS4/180 | **0391560000** | 50 |
| 5 | TOP1.5GS5/180 | **1490460000** | 25 |
| 6 | TOP1.5GS6/180 | **1597060000** | 20 |
| 7 | TOP1.5GS7/180 | **1597070000** | 20 |
| 8 | TOP1.5GS8/180 | **0570960000** | 20 |
| 10 | TOP1.5GS10/180 | **0571160000** | 20 |

| Accessories | Page |
|---|---|
| Marking | 42 |
| Fixing | - |
| Miscellaneous | 45 |

# Rated cross-section ≤ 2.5 mm²


## LP 5.00/90




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 25 | 15 | 15 |
| **Clamping range max.** | mm²/AWG | 4.0 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

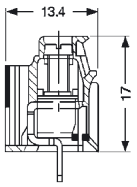
Additional technical data see page 58

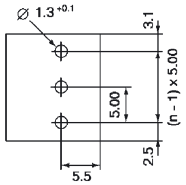
| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | LP 5.00/2/90 | **1594320000** | **1696060000** | 100 |
| 3 | LP 5.00/3/90 | **1594330000** | **1696070000** | 100 |

| Accessories | Page |
|---|---|
| Marking | 40 |
| Fixing | 46 |
| Miscellaneous | 46 |

## LPP 5.00/90

with test point




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 25 | 15 | 15 |
| **Clamping range max.** | mm²/AWG | 4.0 | 12 | 12 |

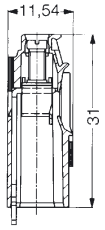
*Overvoltage category III / Pollution severity 3

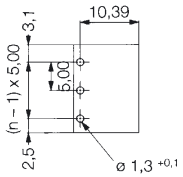
Additional technical data see page 58

| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | LPP 5.00/2/90 | **1594340000** | **1697140000** | 100 |
| 3 | LPP 5.00/3/90 | **1594350000** | **1697150000** | 100 |

| Accessories | Page |
|---|---|
| Marking | 40 |
| Fixing | 46 |
| Miscellaneous | 43 |

## LP1N 5.00/90




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 24 | 15 | 15 |
| **Clamping range max.** | mm²/AWG | 4.0 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 58

| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | LP1N 5.00/2 | **1640870000** | **1698050000** | 100 |
| 3 | LP1N 5.00/3 | **1640880000** | **1698060000** | 100 |

**Attention: Customers are advised to ensure support for LP1N on the printed circuit board.**

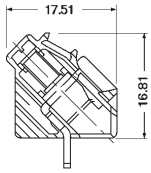
| Accessories | Page |
|---|---|
| Marking | 40 |
| Fixing | - |
| Miscellaneous | 45 |

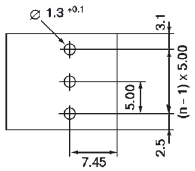
# Rated cross-section ≤ 2.5 mm²




## LP 5.00/135


with test point




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 25 | 15 | 15 |
| **Clamping range max.** | mm²/AWG | 4.0 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 58

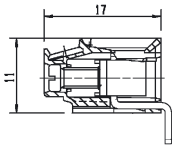
**Solder pin length** 3.2 mm 4.5 mm

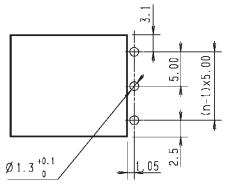
**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | LP 5.00/2/135 | **1595750000** | **1697180000** | 100 |
| 3 | LP 5.00/3/135 | **1595710000** | **1697190000** | 100 |

| Accessories | Page |
|---|---|
| Marking | 40 |
| Fixing | - |
| Miscellaneous | 46 |

## LP 5.00/180




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 25 | 15 | 15 |
| **Clamping range max.** | mm²/AWG | 4.0 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 58

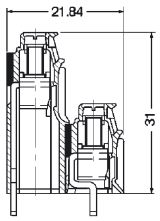
**Solder pin length** 3.2 mm 4.5 mm

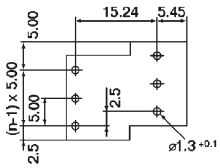
**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | LP 5.00/2/180 | **1761330000** | **1761350000** | 100 |
| 3 | LP 5.00/3/180 | **1761340000** | **1761360000** | 100 |

| Accessories | Page |
|---|---|
| Marking | 40 |
| Fixing | 46 |
| Miscellaneous | 45 |

## LP2N 5.00/90




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 24 | 15 | 15 |
| **Clamping range max.** | mm²/AWG | 4.0 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 58

**Solder pin length** 3.2 mm 4.5 mm

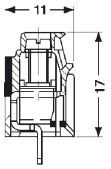
**Colour**

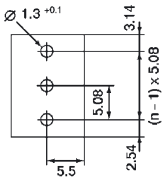
| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 4 | LP2N 5.00/4 | **1635160000** | **1695920000** | 50 |
| 6 | LP2N 5.00/6 | **1625560000** | **1695930000** | 50 |
| 8 | LP2N 5.00/8 | **1596450000** | - | 50 |
| 10 | LP2N 5.00/10 | **1596490000** | - | 50 |
| 16 | LP2N 5.00/16 | **1596550000** | - | 20 |
| 20 | LP2N 5.00/20 | **1596590000** | - | 20 |
| 24 | LP2N 5.00/24 | **1596630000** | - | 10 |
| 30 | LP2N 5.00/30 | **1596670000** | - | 10 |

| Accessories | Page |
|---|---|
| Marking | 40 |
| Fixing | 46 |
| Miscellaneous | 45-46 |

# Rated cross-section ≤ 2.5 mm²


## LP 5.08/90




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 25 | 15 | 15 |
| **Clamping range max.** | mm²/AWG | 4.0 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 58

**Solder pin length** **3.2 mm** **4.5 mm**

**Colour**

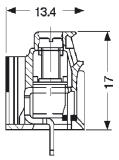
| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 1 | LP 5.08/1/90 | **1730300000** | - | 100 |
| 2 | LP 5.08/2/90 | **1592820000** | **1696040000** | 100 |
| 3 | LP 5.08/3/90 | **1592830000** | **1696050000** | 100 |
| 4 | LP 5.08/4/90 | **1594360000** | - | 50 |
| 6 | LP 5.08/6/90 | **1608250000** | - | 50 |
| 8 | LP 5.08/8/90 | **1594370000** | - | 50 |
| 10 | LP 5.08/10/90 | **1594380000** | - | 50 |
| 12 | LP 5.08/12/90 | **1608270000** | - | 50 |
| 16 | LP 5.08/16/90 | **1594390000** | - | 50 |
| 24 | LP 5.08/24/90 | **1608290000** | - | 20 |

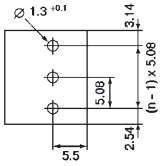
See also page 47 **"Application Examples LP System"**

| Accessories | Page |
|---|---|
| Marking | 40 |
| Fixing | 46 |
| Miscellaneous | 43-46 |

## LPP 5.08/90

with test point




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 25 | 15 | 15 |
| **Clamping range max.** | mm²/AWG | 4.0 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 58

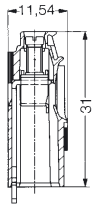
**Solder pin length** **3.2 mm** **4.5 mm**

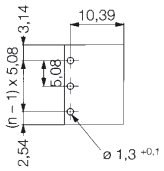
**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | LPP 5.08/2/90 | **1594400000** | **1697120000** | 100 |
| 3 | LPP 5.08/3/90 | **1594410000** | **1697130000** | 100 |

| Accessories | Page |
|---|---|
| Marking | 40 |
| Fixing | 46 |
| Miscellaneous | 43-46 |

## LP1N 5.08/90




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 24 | 15 | 15 |
| **Clamping range max.** | mm²/AWG | 4.0 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 58

**Solder pin length** **3.2 mm** **4.5 mm**

**Colour**

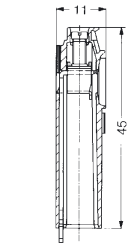
| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | LP1N 5.08/2 | **1640830000** | **1698030000** | 100 |
| 3 | LP1N 5.08/3 | **1640840000** | **1698040000** | 100 |

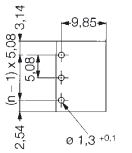
**Attention: Customers are advised to ensure support for LP1N on the printed circuit board.**

| Accessories | Page |
|---|---|
| Marking | 40 |
| Fixing | - |
| Miscellaneous | 43, 45, 46 |

# Rated cross-section ≤ 2.5 mm²

## LP1H 5.08/90


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 24 | 15 | 15 |
| **Clamping range max.** | mm²/AWG | 4.0 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

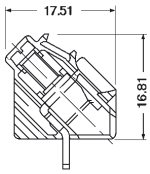
Additional technical data see page 58

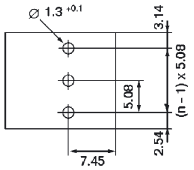
| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | LP1H 5.08/2 | **1640910000** | **1698070000** | 100 |
| 3 | LP1H 5.08/3 | **1640920000** | **1698080000** | 50 |

**Attention: Customers are advised to ensure support for LP1H on the printed circuit board.**

| Accessories | Page |
|---|---|
| Marking | 40 |
| Fixing | - |
| Miscellaneous | 43, 45 |

## LP 5.08/135


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 25 | 15 | 15 |
| **Clamping range max.** | mm²/AWG | 4.0 | 12 | 12 |

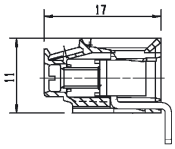
*Overvoltage category III / Pollution severity 3

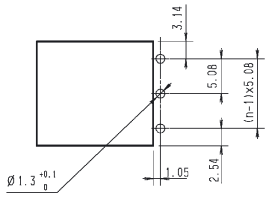
Additional technical data see page 58

| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | LP 5.08/2/135 | **1595730000** | **1676740000** | 100 |
| 3 | LP 5.08/3/135 | **1595690000** | **1676750000** | 100 |

| Accessories | Page |
|---|---|
| Marking | 40 |
| Fixing | - |
| Miscellaneous | 45-46 |

## LP 5.08/180


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 25 | 15 | 15 |
| **Clamping range max.** | mm²/AWG | 4.0 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

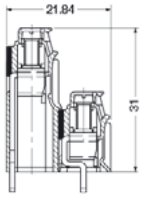
Additional technical data see page 58

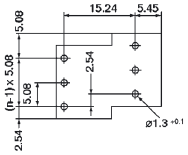
| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | LP 5.08/2/180 | **1753810000** | **1753830000** | 100 |
| 3 | LP 5.08/3/180 | **1753820000** | **1753840000** | 100 |

| Accessories | Page |
|---|---|
| Marking | 40 |
| Fixing | 46 |
| Miscellaneous | 45-46 |

# Rated cross-section ≤ 2.5 mm²


## LP2N 5.08/90




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 24 | 15 | 15 |
| **Clamping range max.** | mm²/AWG | 4.0 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 58

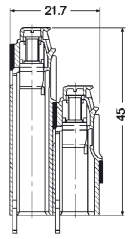
**Solder pin length** **3.2 mm** **4.5 mm**

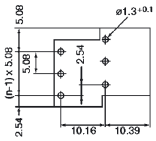
**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 4 | LP2N 5.08/4 | **1635140000** | **1695900000** | 50 |
| 6 | LP2N 5.08/6 | **1625540000** | **1695910000** | 50 |
| 8 | LP2N 5.08/8 | **1596460000** | - | 50 |
| 10 | LP2N 5.08/10 | **1596510000** | - | 50 |
| 16 | LP2N 5.08/16 | **1596530000** | - | 20 |
| 20 | LP2N 5.08/20 | **1596570000** | - | 20 |
| 24 | LP2N 5.08/24 | **1596610000** | - | 10 |
| 30 | LP2N 5.08/30 | **1596650000** | - | 10 |

| Accessories | Page |
|---|---|
| Marking | 40 |
| Fixing | 46 |
| Miscellaneous | 43, 45, 46 |

## LP2H 5.08/90




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 24 | 15 | 15 |
| **Clamping range max.** | mm²/AWG | 4.0 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 58

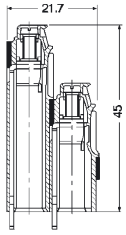
**Solder pin length** **3.2 mm** **4.5 mm**

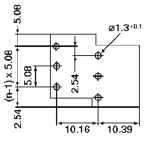
**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 4 | LP2H 5.08/4 | **1753700000** | **1697320000** | 50 |
| 6 | LP2H 5.08/6 | **1625580000** | **1697330000** | 50 |
| 8 | LP2H 5.08/8 | **1596680000** | - | 50 |
| 10 | LP2H 5.08/10 | **1596700000** | - | 50 |
| 16 | LP2H 5.08/16 | **1596720000** | - | 20 |
| 20 | LP2H 5.08/20 | **1596740000** | - | 20 |
| 24 | LP2H 5.08/24 | **1596760000** | - | 10 |
| 30 | LP2H 5.08/30 | **1596780000** | - | 10 |

| Accessories | Page |
|---|---|
| Marking | 40 |
| Fixing | - |
| Miscellaneous | 43, 45 |

## LP2HR 5.08/90




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 24 | 15 | 15 |
| **Clamping range max.** | mm²/AWG | 4.0 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 58

**Solder pin length** **3.2 mm** **4.5 mm**

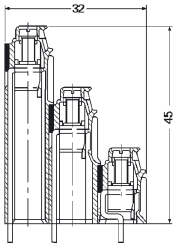
**Colour**

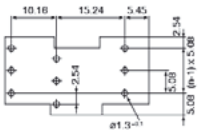
| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 4 | LP2HR 5.08/4 | **1636210000** | **1697340000** | 50 |
| 6 | LP2HR 5.08/6 | **1636220000** | **1697350000** | 50 |
| 8 | LP2HR 5.08/8 | **1636230000** | - | 50 |
| 10 | LP2HR 5.08/10 | **1636240000** | - | 50 |
| 16 | LP2HR 5.08/16 | **1636250000** | - | 20 |
| 20 | LP2HR 5.08/20 | **1636260000** | - | 20 |
| 24 | LP2HR 5.08/24 | **1636270000** | - | 10 |
| 30 | LP2HR 5.08/30 | **1636280000** | - | 10 |
| 48 | LP2HR 5.08/48 | **1646480000** | - | 10 |

| Accessories | Page |
|---|---|
| Marking | 40 |
| Fixing | - |
| Miscellaneous | 43, 45 |

# Rated cross-section ≤ 2.5 mm²

## LP3R 5.08/90




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 20 | 15 | 15 |
| **Clamping range max.** | mm²/AWG | 4.0 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 58

**Solder pin length** **3.2 mm** **4.5 mm**

**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 6 | LP3R 5.08/6 | **1653930000** | **1695940000** | 50 |
| 9 | LP3R 5.08/9 | **1596320000** | **1695950000** | 50 |
| 12 | LP3R 5.08/12 | **1596340000** | - | 50 |
| 15 | LP3R 5.08/15 | **1596360000** | - | 25 |
| 18 | LP3R 5.08/18 | **1596380000** | - | 25 |
| 24 | LP3R 5.08/24 | **1596400000** | - | 20 |
| 30 | LP3R 5.08/30 | **1596420000** | - | 10 |

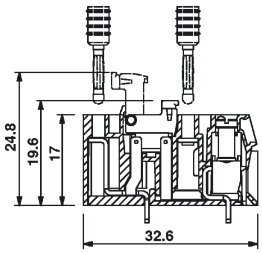
| Accessories | Page |
|---|---|
| Marking | 40 |
| Fixing | 46 |
| Miscellaneous | 43, 45 |

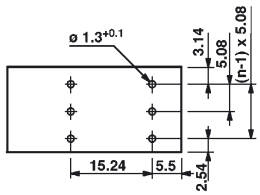
## LPTR 5.08/90

new

with 2 test points

**with disconnect knife**




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 20 | 15 | 15 |
| **Clamping range max.** | mm²/AWG | 4.0 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 58

**Solder pin length** **3.2 mm** **4.5 mm**

**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 1 | LPTR 5.08/1 | **1755180000** | **1755190000** | 100 |

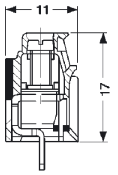
With adaptor plate LPZP 2.54/90 (Cat. No. **1747480000**) it is possible to create the pitch 7.62 mm.

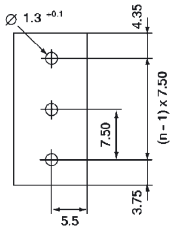
See also page 47 **"Application Examples LP System".**

| Accessories | Page |
|---|---|
| Marking | 40 |
| Fixing | 46 |
| Miscellaneous | 45-46 |

# Rated cross-section ≤ 2.5 mm²


## LP 7.50/90


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 26 | 15 | 15 |
| **Clamping range max.** | mm²/AWG | 4.0 | 12 | 12 |

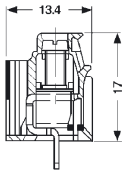
*Overvoltage category III / Pollution severity 3

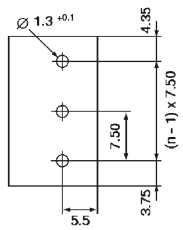
Additional technical data see page 59

| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | LP 7.50/2/90 | **1594420000** | **1697220000** | 100 |
| 3 | LP 7.50/3/90 | **1594430000** | **1697230000** | 100 |

| Accessories | Page |
|---|---|
| Marking | 40 |
| Fixing | 46 |
| Miscellaneous | 46 |

## LPP 7.50/90


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 26 | 15 | 15 |
| **Clamping range max.** | mm²/AWG | 4.0 | 12 | 12 |

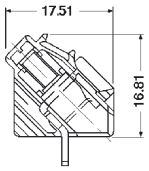
*Overvoltage category III / Pollution severity 3

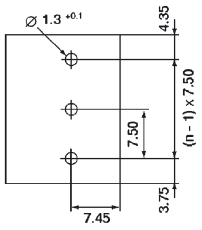
Additional technical data see page 59

| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | LPP 7.50/2/90 | **1594440000** | **1697260000** | 100 |
| 3 | LPP 7.50/3/90 | **1594450000** | **1697270000** | 100 |

| Accessories | Page |
|---|---|
| Marking | 40 |
| Fixing | 46 |
| Miscellaneous | 43, 46 |

## LP 7.50/135


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 26 | 15 | 15 |
| **Clamping range max.** | mm²/AWG | 4.0 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

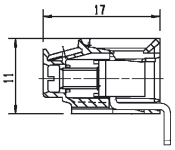
Additional technical data see page 59

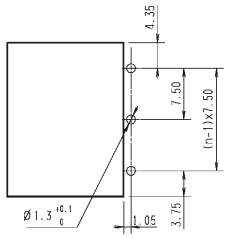
| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | LP 7.50/2/135 | **1595770000** | **1697300000** | 100 |
| 3 | LP 7.50/3/135 | **1595810000** | **1697310000** | 100 |

| Accessories | Page |
|---|---|
| Marking | 40 |
| Fixing | - |
| Miscellaneous | 46 |

# Rated cross-section ≤ 2.5 mm²

## LP 7.50/180


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 26 | 15 | 15 |
| **Clamping range max.** | mm²/AWG | 4.0 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 59

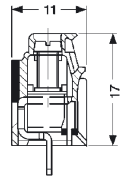
**Solder pin length** 3.2 mm

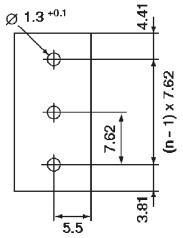
**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | LP 7.50/2/180 | **1761370000** | 100 |
| 3 | LP 7.50/3/180 | **1761380000** | 100 |

| Accessories | Page |
|---|---|
| Marking | 40 |
| Fixing | 46 |
| Miscellaneous | 46 |

## LP 7.62/90


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 26 | 15 | 15 |
| **Clamping range max.** | mm²/AWG | 4.0 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 59

**Solder pin length** 3.2 mm 4.5 mm

**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | LP 7.62/2/90 | **1594460000** | **1697200000** | 100 |
| 3 | LP 7.62/3/90 | **1594470000** | **1697210000** | 100 |

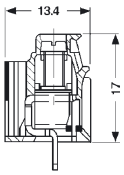
| Accessories | Page |
|---|---|
| Marking | 40 |
| Fixing | 46 |
| Miscellaneous | 46 |

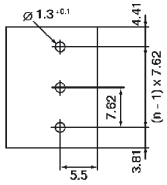
# Rated cross-section ≤ 2.5 mm²



## LPP 7.62/90


with test point




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 26 | 15 | 15 |
| **Clamping range max.** | mm²/AWG | 4.0 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

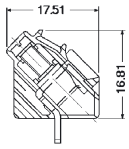
Additional technical data see page 59

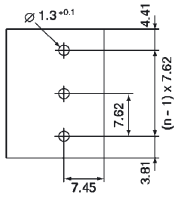
| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | LPP 7.62/2/90 | **1594480000** | **1697240000** | 100 |
| 3 | LPP 7.62/3/90 | **1594490000** | **1697250000** | 100 |

| Accessories | Page |
|---|---|
| Marking | 40 |
| Fixing | 46 |
| Miscellaneous | 43, 46 |

## LP 7.62/135


with test point




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 26 | 15 | 15 |
| **Clamping range max.** | mm²/AWG | 4.0 | 12 | 12 |

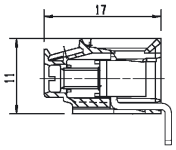
*Overvoltage category III / Pollution severity 3

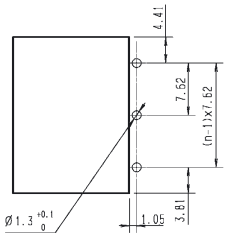
Additional technical data see page 59

| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | LP 7.62/2/135 | **1595790000** | **1697280000** | 100 |
| 3 | LP 7.62/3/135 | **1595830000** | **1697290000** | 100 |

| Accessories | Page |
|---|---|
| Marking | 40 |
| Fixing | - |
| Miscellaneous | 46 |

## LP 7.62/180


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 26 | 15 | 15 |
| **Clamping range max.** | mm²/AWG | 4.0 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

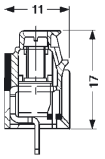
Additional technical data see page 59

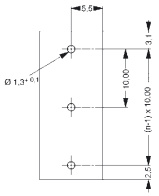
| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | LP 7.62/2/180 | **1753890000** | **1753910000** | 100 |
| 3 | LP 7.62/3/180 | **1753900000** | **1753920000** | 100 |

| Accessories | Page |
|---|---|
| Marking | 40 |
| Fixing | 46 |
| Miscellaneous | 46 |

# Rated cross-section ≤ 2.5 mm²


## LP 10.00/90


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 630* | 300 | 300 |
| **Rated current** | A | 26 | 15 | 15 |
| **Clamping range max.** | mm²/AWG | 4.0 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 60

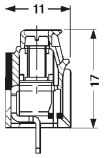
**Solder pin length** **3.2 mm**

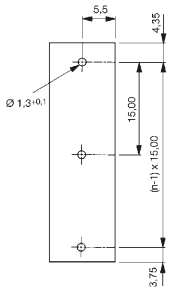
**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | LP 10.00/2/90 | **1693650000** | 50 |
| 3 | LP 10.00/3/90 | **1693660000** | 50 |
| 4 | LP 10.00/4/90 | **1692700000** | 50 |

| Accessories | Page |
|---|---|
| Marking | 40 |
| Fixing | 46 |
| Miscellaneous | 45 |

## LP 15.00/90


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 1000 | 600 | 600 |
| **Rated current** | A | 27 | 15 | 15 |
| **Clamping range max.** | mm²/AWG | 4.0 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 60

**Solder pin length** **4.5 mm**

**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | LP 15.00/2/90 | **1697550000** | 100 |
| 3 | LP 15.00/3/90 | **1697560000** | 50 |
| 4 | LP 15.00/4/90 | **1697570000** | 50 |

| Accessories | Page |
|---|---|
| Marking | 40 |
| Fixing | 46 |
| Miscellaneous | 45 |

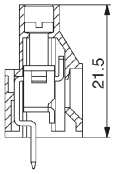
# Rated cross-section ≤ 4.0 mm²

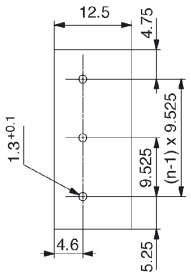

## LL 9.5/90

new










| Technische Daten | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 630* | 300 | 300 |
| **Rated current** | A | 32 | 30 | 30 |
| **Clamping range max.** | mm²/AWG | 4.0 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 62

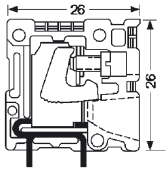
| Solder pin length | | 5.0 mm | 5.0 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | LL 9.5/2/90 | **1724680000** | **1724700000** | 50 |
| 3 | LL 9.5/3/90 | **1724690000** | **1724710000** | 50 |

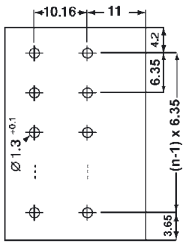
| Accessories | Page |
|---|---|
| Marking | 42 |
| Fixing | - |
| Miscellaneous | - |

## TOP4GS 6.35/90










| Technische Daten | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 320* | 300 | 300 |
| **Rated current** | A | 36 | 30 | 30 |
| **Clamping range max.** | mm²/AWG | 6.0 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 63

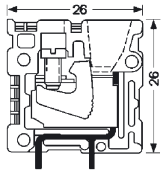
| Solder pin length | | 3.5 mm | 3.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | TOP4GS2/90 | **1401760000** | **1786110000** | 100 |
| 3 | TOP4GS3/90 | **1650300000** | **0265910000** | 100 |
| 4 | TOP4GS4/90 | **1786030000** | **1536210000** | 50 |
| 5 | TOP4GS5/90 | **1786040000** | **0308410000** | 50 |
| 6 | TOP4GS6/90 | **1786050000** | **1786120000** | 50 |
| 7 | TOP4GS7/90 | **1786060000** | **1786130000** | 50 |
| 8 | TOP4GS8/90 | **1667910000** | **1786140000** | 50 |
| 9 | TOP4GS9/90 | **1786070000** | **1786150000** | 50 |
| 10 | TOP4GS10/90 | **1786080000** | **1786160000** | 50 |
| 11 | TOP4GS11/90 | **1786090000** | **1786170000** | 50 |
| 12 | TOP4GS12/90 | **1786100000** | **1786180000** | 50 |

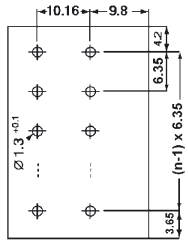
| Accessories | Page |
|---|---|
| Marking | 41 |
| Fixing | - |
| Miscellaneous | 45 |

## TOP4GS 6.35/180










| Technische Daten | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 320* | 300 | 300 |
| **Rated current** | A | 36 | 30 | 30 |
| **Clamping range max.** | mm²/AWG | 6.0 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

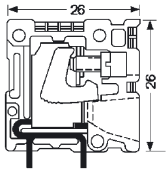
Additional technical data see page 63

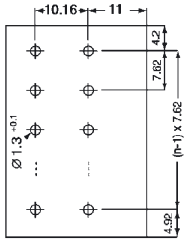
| Solder pin length | | 3.5 mm | 3.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | TOP4GS2/180 | **1786190000** | **1786300000** | 100 |
| 3 | TOP4GS3/180 | **1786200000** | **1786310000** | 100 |
| 4 | TOP4GS4/180 | **1786210000** | **1786320000** | 50 |
| 5 | TOP4GS5/180 | **1786220000** | **1786330000** | 50 |
| 6 | TOP4GS6/180 | **1786230000** | **1786340000** | 50 |
| 7 | TOP4GS7/180 | **1786240000** | **1786350000** | 50 |
| 8 | TOP4GS8/180 | **1786250000** | **1786360000** | 50 |
| 9 | TOP4GS9/180 | **1786260000** | **1786370000** | 50 |
| 10 | TOP4GS10/180 | **1786270000** | **1786380000** | 50 |
| 11 | TOP4GS11/180 | **1786280000** | **1786390000** | 50 |
| 12 | TOP4GS12/180 | **1786290000** | **1786400000** | 50 |

| Accessories | Page |
|---|---|
| Marking | 41 |
| Fixing | - |
| Miscellaneous | 45 |

# Rated cross-section ≤ 4.0 mm²

## TOP4GS 7.62/90




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 36 | 30 | 30 |
| **Clamping range max.** | mm²/AWG | 6.0 | 10 | 10 |

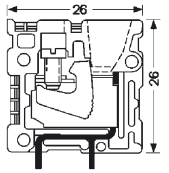
*Overvoltage category III / Pollution severity 3

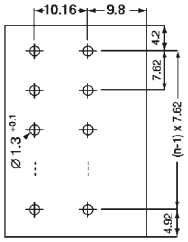
Additional technical data see page 63

| Solder pin length | | 3.5 mm | 3.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | TOP4GS2/90 | **0289660000** | **1751780000** | 100 |
| 3 | TOP4GS3/90 | **0289760000** | **1786460000** | 100 |
| 4 | TOP4GS4/90 | **0290160000** | **1750680000** | 50 |
| 5 | TOP4GS5/90 | **1698740000** | **1786470000** | 50 |
| 6 | TOP4GS6/90 | **1786410000** | **1751790000** | 50 |
| 7 | TOP4GS7/90 | **1647300000** | **1786480000** | 50 |
| 8 | TOP4GS8/90 | **1786420000** | **1786490000** | 50 |
| 9 | TOP4GS9/90 | **1786430000** | **1786500000** | 50 |
| 10 | TOP4GS10/90 | **1786440000** | **1786510000** | 50 |
| 11 | TOP4GS11/90 | **1759860000** | **1786520000** | 50 |
| 12 | TOP4GS12/90 | **1786450000** | **1786530000** | 50 |

| Accessories | Page |
|---|---|
| Marking | 41 |
| Fixing | - |
| Miscellaneous | 45 |

## TOP4GS 7.62/180




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 36 | 30 | 30 |
| **Clamping range max.** | mm²/AWG | 6.0 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 63

| Solder pin length | | 3.5 mm | 3.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | | Qty. |
| 2 | TOP4GS2/180 | **0298360000** | **1786590000** | 100 |
| 3 | TOP4GS3/180 | **0298460000** | **1786600000** | 100 |
| 4 | TOP4GS4/180 | **0298560000** | **1786610000** | 50 |
| 5 | TOP4GS5/180 | **1786540000** | **1786620000** | 50 |
| 6 | TOP4GS6/180 | **1494560000** | **1786630000** | 50 |
| 7 | TOP4GS7/180 | **1786550000** | **1786640000** | 50 |
| 8 | TOP4GS8/180 | **1786560000** | **1786650000** | 50 |
| 9 | TOP4GS9/180 | **1571700000** | **1786660000** | 50 |
| 10 | TOP4GS10/180 | **1786570000** | **1786670000** | 50 |
| 11 | TOP4GS11/180 | **1786580000** | **1786680000** | 50 |
| 12 | TOP4GS12/180 | **1749170000** | **1786690000** | 50 |

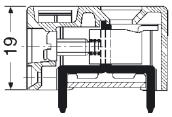
| Accessories | Page |
|---|---|
| Marking | 41 |
| Fixing | - |
| Miscellaneous | 45 |

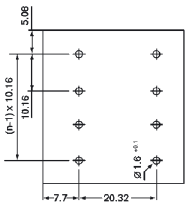
# Rated cross-section ≤ 10.0 mm²

## GSE 10/180

180°

with test point




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 400* | 300 | 300 |
| **Rated current** | A | 59 | 40 | 40 |
| **Clamping range max.** | mm²/AWG | 10.0 | 8 | 8 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 64

**Solder pin length** 4.5 mm

**Colour**

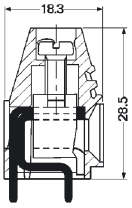
| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 1 | GSE 10/1 | **0478700000** | 50 |
| 3 | GSE 10/3 | **0478900000** | 20 |
| 4 | GSE 10/4 | **1610220000** | 20 |

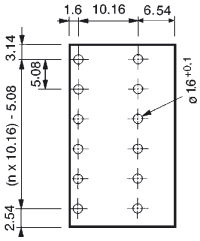
| Accessories | Page |
|---|---|
| Marking | 40, 42 |
| Fixing | - |
| Miscellaneous | 45 |

## LU 10.16/90

90°

4 solder pins per pole




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 630* | 300 | 300 |
| **Rated current** | A | 57 | 65 | 65 |
| **Clamping range max.** | mm²/AWG | 16.0 | 6 | 6 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 64

**Solder pin length** 3.2 mm 4.5 mm

**Colour**

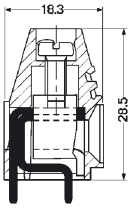
| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | LU 10.16/2/90 | **1635920000** | **1636170000** | 20 |
| 3 | LU 10.16/3/90 | **1635930000** | **1636180000** | 20 |

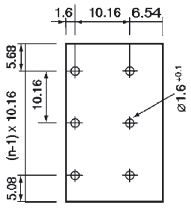
| Accessories | Page |
|---|---|
| Marking | 40, 42 |
| Fixing | - |
| Miscellaneous | 45 |

## LU 10.16/90

90°

2 solder pins per pole




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 630* | 300 | 300 |
| **Rated current** | A | 57 | 65 | 65 |
| **Clamping range max.** | mm²/AWG | 16.0 | 6 | 6 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 64

**Solder pin length** 4.5 mm

**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | LU 10.16/2/90 2STI | **1648310000** | 20 |
| 3 | LU 10.16/3/90 2STI | **1648300000** | 20 |

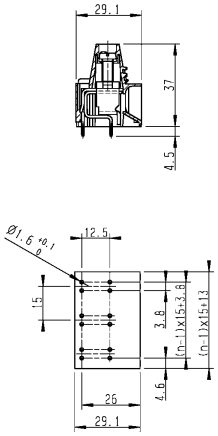
| Accessories | Page |
|---|---|
| Marking | 40, 42 |
| Fixing | - |
| Miscellaneous | 45 |

# Rated cross-section ≤ 25.0 mm²


## LX 15.00/90

new

with test point




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 800* | 600 | 600 |
| **Rated current** | A | 101 | 85 | 85 |
| **Clamping range max.** | mm²/AWG | 25.0 | 4 | 4 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 65

**Solder pin length** **4.5 mm**
**4 Solder pins per pole**
**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 1 | LX 15.00/1/90 | **1783660000** | 20 |
| 2 | LX 15.00/2/90 | **1783670000** | 20 |
| 3 | LX 15.00/3/90 | **1783680000** | 20 |
| 4 | LX 15.00/4/90 | **1783690000** | 20 |
| 5 | LX 15.00/5/90 | **1806460000** | 20 |
| 6 | LX 15.00/6/90 | **on request** | 10 |
| 7 | LX 15.00/7/90 | **1809870000** | 10 |
| 8 | LX 15.00/8/90 | **1809880000** | 10 |

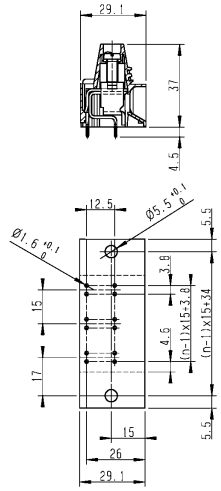
| Accessories | Page |
|---|---|
| Marking | 40, 42 |
| Fixing | - |
| Miscellaneous | 44, 45 |

## LXB 15.00/90

new

with test point

flange version




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 800* | 600 | 600 |
| **Rated current** | A | 101 | 85 | 85 |
| **Clamping range max.** | mm²/AWG | 25.0 | 4 | 4 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 65

**Solder pin length** **4.5 mm**
**4 Solder pins per pole**
**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| – | – | – | – |
| 2 | LXB 15.00/2/90 | **1783710000** | 20 |
| 3 | LXB 15.00/3/90 | **1783720000** | 20 |
| 4 | LXB 15.00/4/90 | **1783730000** | 20 |
| 5 | LXB 15.00/5/90 | **1806470000** | 20 |
| 6 | LXB 15.00/6/90 | **1783740000** | 10 |
| 7 | LXB 15.00/7/90 | **on request** | 10 |
| 8 | LXB 15.00/8/90 | **1783750000** | 10 |

For the fixing flanges M5 bolt is recommended. The bolt is not included in the scope of delivery.

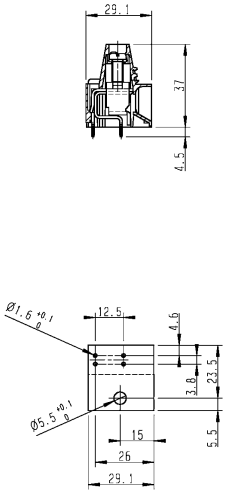
| Accessories | Page |
|---|---|
| Marking | 40, 42 |
| Fixing | - |
| Miscellaneous | 44, 45 |

## LXBL 15.00/90

new

with test point

flange version




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 800* | 600 | 600 |
| **Rated current** | A | 101 | 85 | 85 |
| **Clamping range max.** | mm²/AWG | 25.0 | 4 | 4 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 65

**Solder pin length** **4.5 mm**
**4 Solder pins per pole**
**Colour**

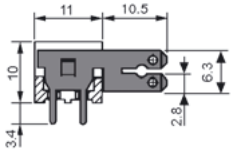
| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 1 | LXBL 15.00/1/90 | **1783700000** | 20 |

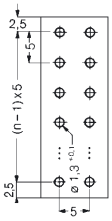
For the fixing flanges M5 bolt is recommended. The bolt is not included in the scope of delivery.

| Accessories | Page |
|---|---|
| Marking | 40, 42 |
| Fixing | - |
| Miscellaneous | 44, 45 |

# Push-on Tab Connection

## GSF 5/90




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V* | 200 | 300 | 300 |
| **Rated current** | A | 14 | 8 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | - | - |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 61

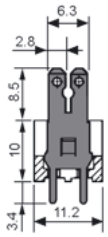
**Solder pin length** **3.4 mm**

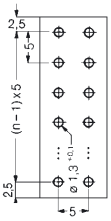
**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | GSF5/2/90 | **0496760000** | 100 |
| 3 | GSF5/3/90 | **0496860000** | 100 |
| 4 | GSF5/4/90 | **0496960000** | 100 |
| 5 | GSF5/5/90 | **0497060000** | 50 |
| 6 | GSF5/6/90 | **0497160000** | 50 |
| 7 | GSF5/7/90 | **0497260000** | 50 |
| 8 | GSF5/8/90 | **0497360000** | 50 |
| 9 | GSF5/9/90 | **0497460000** | 50 |
| 10 | GSF5/10/90 | **0409460000** | 100 |

| Accessories | Page |
|---|---|
| Marking | - |
| Fixing | - |
| Miscellaneous | - |

## GSF 5/180




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V* | 200 | 300 | 300 |
| **Rated current** | A | 14 | 8 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | - | - |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 61

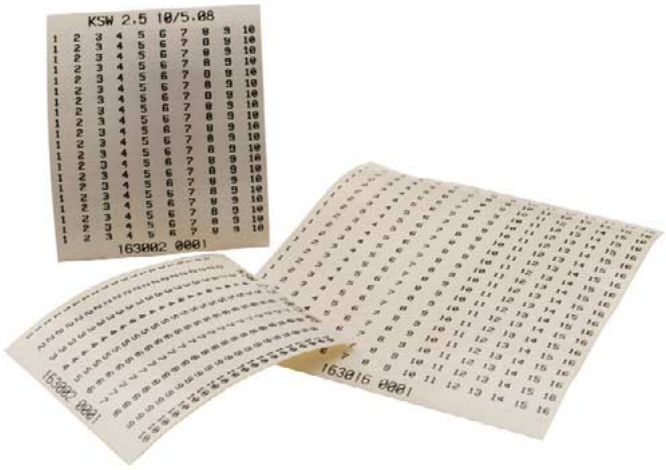
**Solder pin length** **3.4 mm**

**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | GSF5/2/180 | **0490860000** | 100 |
| 3 | GSF5/3/180 | **0490960000** | 100 |
| 4 | GSF5/4/180 | **0491060000** | 100 |
| 5 | GSF5/5/180 | **0491160000** | 50 |
| 6 | GSF5/6/180 | **0491260000** | 50 |
| 7 | GSF5/7/180 | **0491360000** | 50 |
| 8 | GSF5/8/180 | **0491460000** | 50 |
| 9 | GSF5/9/180 | **0491560000** | 50 |
| 10 | GSF5/10/180 | **0409360000** | 100 |

| Accessories | Page |
|---|---|
| Marking | - |
| Fixing | - |
| Miscellaneous | - |

# Accessories




The Weidmueller portfolio of printed circuit board terminals is complemented by a wide range of accessories to cover virtually every installation requirement.

These accessories comprise mountings for LED's to monitor the switching state, numerous marking systems, fuse inserts, cross-connections and disconnectors. Fixing blocks and screwdrivers as well as cable preparation tools and ferrules.

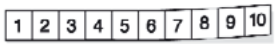
For more information also ask for our sectional catalogue **"Installation Products"** (cat. no. 5629040000) and **"Tools"** (cat. no. 5629030000), or consult your nearest Weidmueller Sales Engineer or Representative. They will be only too pleased to assist.


## Accessories Selection Matrix

| | | Marking systems | LED holders and marker carrier | Fuse and disconnect elements | Fixing blocks | Cross-connections | Adaptor plates | Fixing plates |
|---|---|---|---|---|---|---|---|---|
| **Rated cross-section** | **PCB Terminal Accessories** | **Page 40-42** | **Page 43** | **Page 44** | **Page 45-46** | **Page 45** | **Page 46** | **Page 46** |
| | PM 5.08 | KSW 4, KSW 2.5 | | | | | | |
| | MK 8 | KSW 2.5 | | | | | | |
| | MK 7.5 | KSW 2.5 | | | | LPA QB | | |
| 1.5 mm² | LM 3.5 all versions | KSW 4, KSW 2.5 | | | | | | |
| | LM 5.00 all versions | KSW 4, KSW 2.5 | | | | | | |
| | LM 5.08 all versions | KSW 4, KSW 2.5 | | | | | | |
| | TOP1.5GS all versions | KSW 2.5 | | | TOP1.5GS BB | | | |
| | LMZF 5.08 all versions | KSW 2.5 | | | | | | |
| | LP 5.08/90 | DEK 5 | LPA FA, LPA FA BZ , LPA BZ | LPA SI, LPA TR | LP BB | LPA QB | LPZP/90 | LPHP |
| | LP 5.00/90 | DEK 5 | | | LP BB | | LPZP/90 | |
| | LP 7.50/90 | DEK 5 | | | LP BB | | LPZP/90 | |
| | LP 7.62/90 | DEK 5 | | | LP BB | | LPZP/90 | LPHP |
| | LP 10.00/90 | DEK 5 | | | LP BB | | LPZP/90 | |
| | LP 15.00/90 | DEK 5 | | | LP BB | | LPZP/90 | |
| | LP2N 5.08 | DEK 5 | LPA BZ | | LP BB | LPA QB | LPZP1N LPZP2.54/90 | |
| | LP2N Pitch 5.00, 7.50, 7.62 | DEK 5 | | | LP BB | | LPZP1N LPZP2.54/90 | |
| | LP2H 5.08 | DEK 5 | LPA BZ | | | LPA QB | | |
| | LP2HR 5.08 | DEK 5 | LPA BZ | | | LPA QB | | |
| 2.5 mm² | LP3R 5.08 | DEK 5 | LPA BZ | | LP BB | LPA QB | | |
| | LPP 5.08/90 | DEK 5 | LPA FA, LPABZ LPA FA BZ | LPA SI, LPA TR | LP BB | LPA QB | LPZP/90 | |
| | LPP/90 Pitch 5.00, 7.50, 7.62 | DEK 5 | LPA BZ | | LP BB | | LPZP/90 | |
| | LP1N 5.08 | DEK 5 | LPA BZ | | | LPA QB | LPZP1N | |
| | LP1N 5.00 | DEK 5 | | | | | | |
| | LP1H 5.08 | DEK 5 | LPA BZ | | | LPA QB | | |
| | LP/135 all pitches | DEK 5 | | | | LPA QB[1)] | LPZP/135 | |
| | LP/180 all pitches | DEK 5 | | | LP BB | LPA QB[1)] | LPZP/90 | |
| | LPZF 5.08/180 | KSW 2.5 | | | | | | |
| | LPTR 5.08/1/90 | DEK 5 | | | LP BB | | LPZP/90 | |
| 4.0 mm² | LL 9.5 | KSW4, KSW 2.5 | | | | | | |
| | TOP4GS/90 all pitches | S10 | | | | | | |
| | TOP4GS/180 all pitches | S10 | | | | | | |
| 10.0 mm² | LU/90 all pitches | KSW4, KSW2.5, DEK 5 | | | | | | |
| | GSE 10 | KSW4, KSW2.5, DEK 5 | | | | | | |
| 25.0 mm² | LX 15.00 | KSW4, KSW2.5, DEK 5 | | | | | | |
| Accessories | LPA SI | LPA FA BZ, LPA BZ DEK 5 | WS 10/5 a. WS 12/5 | | | | | |
| | LPA TR | DEK 5, WS 3 | | | | | | |

1) only pitch 5.08 mm


Horizontal printing



Strip mounting

Vertical printing

Individual tag mounting

The Dekafix marking system can be used with the **LX 15.00**, **LU 10.16 and GSE 10** as well as with the **System LP** (with the exception of LPZF and its accessories).

Dekafix is supplied in packs of 10 cards with 50 tags per card. The standard colour is white with black text.

## Technical data

| | | |
|---|---|---|
| Material | Polyamide | |
| | Temperature range | -40°C ...+100°C |
| | Flammability class | UL 94 V-2 |
| | Components | silicone-free |
| | | halogens below limit of detection |
| Assembly | Strip or individual tag assembly depending on stackability of the terminals | |
| Print | Standard or custom, print colour black | |
| Smudge resistance | Smudge resistant to DIN IEC 50 | |
| Custom print | From customer's list or data exchange via disk or modem | |
| Colour | Available in colours of the international resistance code | |
| max. digits DEK 5 | 3 horizontal, 3 vertical up to 2.5 mm type size | |

**Custom print (cat. no. with colour code for ordering !)**

| Colour | Cat. No. | Colour | Cat. No. | Colour | Cat. No. | Qty. **500** |
|---|---|---|---|---|---|---|
| ● black | **1609810000** | ● yellow | **0490791687** | ● violet | **0490791689** | |
| ● brown | **1609810000** | ● green | **0490791688** | ● grey | **1609810000** | |
| ● red | **0490791686** | ● blue | **1609810000** | ❍ white | **0490790000** | |
| ● orange | **1609810000** | | | | | |

**Neutral**

| Colour | Cat. No. | Colour | Cat. No. | Colour | Cat. No. | Qty. **500** |
|---|---|---|---|---|---|---|
| ● black | **0473391694** | ● yellow | **1609801687** | ● violet | **0473391689** | |
| ● brown | **0473391692** | ● green | **0473391688** | ● grey | **0473391691** | |
| ● red | **1609801686** | ● blue | **0473391693** | ❍ white | **0473360000** | |
| ● orange | **0473391690** | | | | | |

## Ordering data

| (only horizontal) | Print | Cat. No. |
|---|---|---|
| Printing individual letters A A A A A A A A | A | **0522761021** |
| | B | **0522761022** |
| | C | **0522761023** |
| | D | **0522761024** |
| | E | **0522761025** |
| | F | **0522761026** |
| | G | **0522761027** |
| | H | **0522761028** |
| | I | **0522761029** |
| | J | **0522761030** |
| | K | **0522761031** |
| | L | **0522761032** |
| | M | **0522761033** |
| | N | **0522761034** |
| | O | **0522761035** |
| | P | **0522761036** |
| | Q | **0522761037** |
| | R | **0522761038** |
| | S | **0522761039** |
| | T | **0522761040** |
| | U | **0522761041** |
| | V | **0522761042** |
| | W | **0522761043** |
| | X | **0522761044** |
| | Y | **0522761045** |
| | Z | **0522761046** |

| | Print | Cat. No. horizontal | Cat. No. vertical |
|---|---|---|---|
| Printing 50 digits in series 1 2 3 4 5 6 7 8 9 10 / 11 12 13 14 15 16 17 18 19 20 | 1 ... 50 | **0473460001** | **0473560001** |
| | 51 ... 100 | **0473460051** | **0473560051** |
| | to | The last 3 digits of the Cat No. are the first printed number | |
| | 951 ... 999 | **0473460951** | **0473560951** |
| Printing 10 digits in series 1 2 3 4 5 6 7 8 9 10 / 11 12 13 14 15 16 17 18 19 20 | 1 ... 10 | **0523060001** | **0460660001** |
| | 11 ... 20 | **0523060011** | **0460660011** |
| | bis | Die letzten 3 Zahlen der Best.-Nr zeigen die erste Druckzahl | |
| | 91 ... 100 | **0523060091** | **0460660091** |
| Beschriftung einzelne Zahlen 1 1 1 1 1 1 1 1 1 1 | 1 | **0522660001** | - |
| | 2 | **0522660002** | - |
| | to | The last 3 digits of the Cat No. are the first printed number | |
| | 200 | **0522660200** | - |
| Printing various symbols L1 L2 L3 N PE L1 L2 L3 N PE | L1, L2, L3, N, PE | **0354361187** | - |
| Printing individual symbols + + + + + + + + + + / L1 L1 L1 L1 L1 L1 L1 L1 L1 L1 | Plus symbol + | **0576261198** | - |
| | Minus symbol - | **0576261199** | - |
| | PE | - | **0157261187** |
| | L1 | **0522361075** | - |
| | L2 | **0522361076** | - |
| | L3 | **0522361077** | - |
| | Earth symbol (ground) | **0576261202** | **0157261202** |
| | Earth symbol in circle | **0576261203** | **0157261203** |
| | Alternating current ~ | **0576261215** | - |
| Blank, white (Card) | - | **1609801044** | **1609801044** |
| Custom print (please state print and direction with order) | | **0490760000** | **0490760000** |
| Coloured Dekafix blank (please state colour with order) | | **0473390000** | **0473390000** |
| Coloured Dekafix printed = custom print (please state colour and print with order) | | **0490790000** | **0490790000** |

## System WS 3

The white WS 3 marker tags are used to mark **LPA TR** disconnect elements.

Each pack of WS 3 marker tags contains 20 stars with 10 tags each.

### Ordering data

| | Print | Cat. No. |
|---|---|---|
| individual letters | A | **1055761021** |
| | B | **1055761022** |
| | C | **1055761023** |
| | D | **1055761024** |
| | E | **1055761025** |
| | F | **1055761026** |
| | G | **1055761027** |
| | H | **1055761028** |
| | I | **1055761029** |
| | J | **1055761030** |
| | K | **1055761031** |
| | L | **1055761032** |
| | M | **1055761033** |
| | N | **1055761034** |
| | O | **1055761035** |
| | P | **1055761036** |
| | Q | **1055761037** |
| | R | **1055761038** |
| | S | **1055761039** |
| | T | **1055761040** |
| | U | **1055761041** |
| | V | **1055761042** |
| | W | **1055761043** |
| | X | **1055761044** |
| | Y | **1055761045** |
| | Z | **1055761046** |
| Neutral | | **1055560000** |
| Custom print | | on request |
| consecutive numbers | 0 … 9 | **1055860000** |
| individual numbers | 1 | **1055760001** |
| | 2 | **1055760002** |
| | 3 | **1055760003** |
| | 4 | **1055760004** |
| | 5 | **1055760005** |
| | 6 | **1055760006** |
| | 7 | **1055760007** |
| | 8 | **1055760008** |
| | 9 | **1055760009** |
| | 0 | **1055761000** |

## WS 10/5 and WS 12/5 cards

WS cards neutral

The white WS 10/5 and WS 12/5 cards can be used everywhere where DEK 5 is used - but giving increased marking requirements.

They are also used to mark our LPA FA BZ LED holders and our LPA BZ marker carriers.

### Ordering data

| Print | Type | Cat. No. |
|---|---|---|
| Neutral | WS 10/5 | **1635000000** |
| Neutral | WS 12/5 | **1609860000** |
| Custom print | | on request |

## System S 10


The S10 marking system can be used with **TOP4GS.**

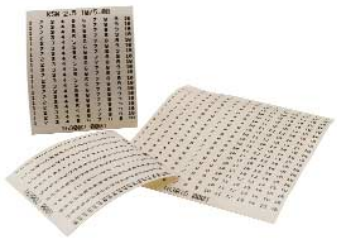
S 10 is supplied in packs of 100 strips with 10 tags per strip.

The print is always horizontal.

### Ordering data

| | Print | Cat. No. |
|---|---|---|
| Printing 10 digits each in series (SF 10) | 0 … 9 | **0332400000** |
| | 1 … 10 | **0331500001** |
| | 11 … 20 | **0331500011** |
| Printing individual digits (SG 10) | 1 | **0332500001** |
| | 2 | **0332500002** |
| | 3 | **0332500003** |
| | 4 | **0332500004** |
| | 5 | **0332500005** |
| | 6 | **0332500006** |
| | 7 | **0332500007** |
| | 8 | **0332500008** |
| | 9 | **0332500009** |
| | 0 | **0332501000** |
| Neutral (SO 10) | | **0332300000** |
| Custom print | | on request |

## Marking Strips KSW



The white self-adhesive KSW marking strips are available in 2 widths:

### KSW 4

| Width (mm) | Pitch | also suitable for |
|---|---|---|
| 4.0 | 3.50 mm | – |
| | 5.08 mm | 5.00 mm |
| | 7.50 mm | 7.62 mm |
| | 10.16 mm | |

KSW 4 can be used with the systems **PM 5.08**, **LM 3.5**, **LM 5.00/5.08**, **LU 10.16, LL 9.5 and LX 15.00**.

### KSW 2.5

| Width (mm) | Pitch | also suitable for |
|---|---|---|
| 2.5 | 3.50 mm | – |
| | 5.08 mm | 5.00 mm |
| | 7.50 mm | – |

KSW 2.5 can be used with **MK 8**, **MK 7.5**, **LPZF 5.08**, **System LMZF 5.08**, **TOP1.5GS, LX 15.00,** and of course everywhere where KSW 4 can be used.

Example for TOP 1.5 GS with KSW 2.5


### Ordering data

| Pitch mm | Type | Print | Strips per sheet | Cat. No. |
|---|---|---|---|---|
| 5.00 | KSW 2.5 16/5.00 | 1…16 | 20 | **1630070001** |
| 5.00 | KSW 2.5 20/5.00 | 1…20 | 20 | **1630080001** |
| 5.00 | KSW 2.5 20/5.00 | 21…40 | 20 | **1630080021** |
| 5.00 | KSW 2.5 20/5.00 | 41…60 | 20 | **1630080041** |
| 5.00 | KSW 2.5 20/5.00 | 61…80 | 20 | **1630080061** |
| 5.00 | KSW 4 12/5.00 | 1…12 | 20 | **1630130001** |
| 5.00 | KSW 4 12/5.00 | 13…24 | 20 | **1630130013** |
| 5.00 | KSW 4 18/5.00 | 1…18 | 20 | **1630170001** |
| 5.08 | KSW 2.5 10/5.08 | 1…10 | 20 | **1630020001** |
| 5.08 | KSW 2.5 10/5.08 | 11…20 | 20 | **1630020011** |
| 5.08 | KSW 2.5 15/5.08 | 1…150 | 20 | **1630050001** |
| 5.08 | KSW 2.5 15/5.08 | 1…15 | 20 | **1630060001** |
| 5.08 | KSW 2.5 15/5.08 | 151…300 | 20 | **1630050151** |
| 5.08 | KSW 2.5 15/5.08 | 301…450 | 20 | **1630050301** |
| 5.08 | KSW 2.5 8/5.08 | 1…8 | 20 | **1630100001** |
| 5.08 | KSW 2.5 8/5.08 | 9…16 | 20 | **1630100009** |
| 5.08 | KSW 2.5 8/5.08 | A…H | 20 | **1630101021** |
| 5.08 | KSW 4 16/5.08 | 1…16 | 20 | **1630160001** |
| 5.08 | KSW 4 16/5.08 | 17…32 | 20 | **1630160017** |
| 5.08 | KSW 4 16/5.08 | 33…48 | 20 | **1630160033** |
| 5.08 | KSW 4 16/5.08 | 49…64 | 20 | **1630160049** |
| 5.08 | KSW 4 16/5.08 | 65…80 | 20 | **1630160065** |
| 5.08 | KSW 4 16/5.08 | 81…96 | 20 | **1630160081** |
| 5.08 | KSW 4 24/5.08 | 1…24 | 20 | **1630180001** |
| 5.08 | KSW 4 8/5.08 | 1…8 | 20 | **1630200001** |
| 5.08 | KSW 4 16/5.08 | 25…32 | 20 | **1630200025** |
| 5.08 | KSW 4 16/5.08 | 33…40 | 20 | **1630200033** |
| 5.08 | KSW 4 16/5.08 | 41…48 | 20 | **1630200041** |
| 7.50 | KSW 2.5 10/7.50 | 1…100 | 20 | **1630030001** |
| 7.50 | KSW 2.5 10/7.50 | 1…10 | 20 | **1630040001** |
| 7.50 | KSW 2.5 10/7.50 | 101…200 | 20 | **1630030101** |
| 7.50 | KSW 2.5 10/7.50 | 201…300 | 20 | **1630030201** |
| 7.50 | KSW 2.5 10/7.50 | 301…400 | 20 | **1630030301** |
| 7.50 | KSW 2.5 10/7.50 | 401…500 | 20 | **1630030401** |
| 7.50 | KSW 4 12/7.50 | 1…12 | 20 | **1630140001** |
| 7.50 | KSW 4 12/7.50 | 13…24 | 20 | **1630140013** |
| 7.50 | KSW 4 12/7.50 | 25…36 | 20 | **1630140025** |
| 7.50 | KSW 4 12/7.50 | 37…48 | 20 | **1630140037** |
| 7.50 | KSW 4 12/7.50 | 49…60 | 20 | **1630140049** |
| 7.62 | KSW 4 12/7.62 | 1…12 | 20 | **1652270001** |
| 7.62 | KSW 4 12/7.62 | 13…24 | 20 | **1652270013** |
| 9.52 | | | | **on request** |
| 10.16 | KSW 2.5 4/10.16 | 1…4 | 20 | **1630090001** |
| 15.00 | | | | **on request** |

## Technical data KSW

| | |
|---|---|
| Material | Polyester with smooth surface |
| Adhesive | On acrylate basis |
| Adhesive strength (strip width 25 mm) | DIN 51221 on steel: 19N, polypropylene: 12 N, polyethylene: 10 N |
| Temperature range | -40°C to +150°C |
| min. temperature for adhesion | + 4°C |
| Flammability | Self-extinguishing within 15 seconds; does not drip |

### Direct printing

Apart from the standard print, we can also offer custom printing for all pitches.

| Pitch mm | Type | Length mm | Print | Cat. No. |
|---|---|---|---|---|
| all | KSW 2.5 | <50 | custom print | **1629900000** |
| all | KSW 2.5 | <100 | custom print | **1629920000** |
| all | KSW 2.5 | <150 | custom print | **1629940000** |
| all | KSW 4 | <50 | custom print | **1629910000** |
| all | KSW 4 | <100 | custom print | **1629930000** |
| all | KSW 4 | <150 | custom print | **1629950000** |
| all | KSW 2.5 | <50 | neutral | **1629560000** |
| all | KSW 2.5 | <100 | neutral | **1629980000** |
| all | KSW 2.5 | <150 | neutral | **1630000000** |
| all | KSW 4 | <50 | neutral | **1629970000** |
| all | KSW 4 | <100 | neutral | **1629990000** |
| all | KSW 4 | <150 | neutral | **1630010000** |

### Ordering example

Cat. No. 163006 001
KSW 2.5 15/5.08 W 1…15

print
print runs horizontal
5.08 mm pitch
15 poles
2.5 mm strip width

## STI marking pen

permanent marker, black,
waterproof, smudge resistant

| Type | Cat. No. |
|---|---|
| STI-S fine | **0508401694** |
| STI-F thick | **1632480000** |

## LED Holder LPA FA

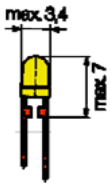
## Marker Carrier LPA FA BZ

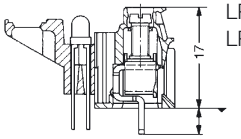
## Marker Carrier LPA BZ

The LED holders and the marker carriers are latched onto the rear of the PCB terminals.
3 versions are available:

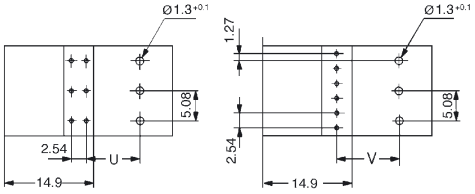
The LP FA LED holder permits an LED to be mounted reliably and easily visible onto an **LP 5.08/90** and **LPP 5.08/90** PCB terminal.

Dimesnions of the LED to fit into the **LPP 5.08/…/90, LPA FA** and **LPA FA BZ**



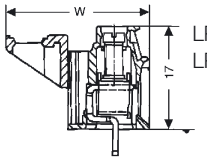




LPA FA BZ shown on LPP 5.08 /… /90




| In combination with | U (mm) | V (mm) |
|---|---|---|
| LP 5.08/ …/90 | 7.75 | 6.48 |
| LPP 5.08/…/90 | 8.89 | 10.16 |

The LPA FA BZ LED holder with integrated marker carrier has the same LED supporting function as the LPA FE but also allows marking with WS 10/5 and WS 12/5 cards. The LPA FA BZ can be latched onto an **LP 5.08/90** or **LPP 5.08/90** PCB terminals.




LPA BZ shown on LPP 5.08 /… /90

| In combination with | W (mm) |
|---|---|
| LP 5.08/ …/90 | 21.2 |
| LPP 5.08/…/90 | 23.6 |

The LPA BZ marker carrier allows comprehensive marking of the PCB using WS 10/5 and WS 12/5 cards. It can be latched onto **LP 5.08/90**, **LPP 5.08/90**, **LP2N 5.08**, **LP2H 5.08** and **LP3R 5.08**

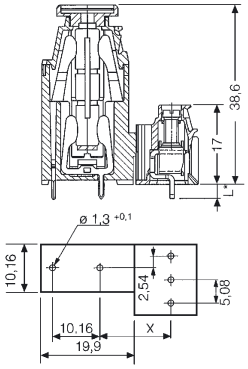
### Ordering data

| Poles/Type | can be used with | Cat. No. | Qty. |
|---|---|---|---|
| 2 LPA FA2 | LP5.08/90, LPP5.08/90 | **1495960000** | 50 |
| 3 LPA FA3 | LP5.08/90, LPP5.08/90 | **1496060000** | 50 |

| Poles/Type | can be used with | Cat. No. | Qty. |
|---|---|---|---|
| 2 LPA FA2 BZ | LP5.08/90, LPP5.08/90 | **1496160000** | 50 |
| 3 LPA FA3 BZ | LP5.08/90, LPP5.08/90 | **1496260000** | 50 |

| Poles/Type | can be used with | Cat. No. | Qty. |
|---|---|---|---|
| 2 LPA BZ2 | LP5.08/90, LPP5.08/90 LP2N 5.08, LP2H5.08, LP3R5.08 | **1497260000** | 100 |
| 3 LPA BZ3 | LP5.08/90, LPP5.08/90 LP2N 5.08, LP2H5.08, LP3R5.08 | **1497360000** | 100 |

## Fuse Holder


| In combination with | X (mm) |
|---|---|
| LP 5.08/ …/90 | 12.84 |
| LPP 5.08/…/90 | 15.24 |

The LPA SI fuse holder will accept G-fuses 5 x 20 or 5 x 25 (DIN 820 or IEC127/part 2). The power loss is 1.6 W.

It can be latched onto the rear of **LP 5.08/90** and **LPP 5.08/90**. It can also be used separately on the PCB or dovetailed (also in combination with LPA TR) whereby max. 12 fuse holders can be dovetailed together.

### Technical Data

| | VDE | UL | CSA |
|---|---|---|---|
| Rated voltage | 250 V | 300 V | 300 V |
| Rated current | 6,3 A | 10 A | 10 A |

### Ordering data

| **Solder pin length** | | **3.2 mm** | **4.5 mm** | |
|---|---|---|---|---|
| Type | can be used with | Cat. No. | Cat. No. | Qty. |
| LPA SI OR | LP 5.08/90 and LPP 5.08/90 | **1495060000** | **1495160000** | 50 |

## Test Plug

Ø 2.00 mm

The test plug permits a simple and easy check on whether terminals with a test point are live or not.

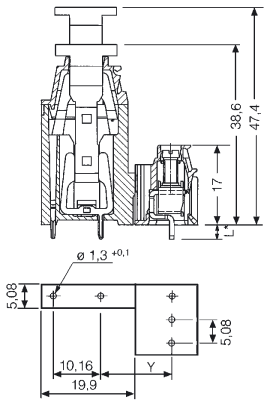
The following terminals have a test point:

| | |
|---|---|
| LP 5.08/135 | LPP 5.08/90 |
| LP 5.00/135 | LPP 5.00/90 |
| LPP 7.50/135 | LPP 7.62/90 |
| LP 7.62/135 | LPP 7.50/90 |
| GSE 10 | |
| LX 15.00 | |

### Ordering data

| Type | for max. cable | Cat. No. | Qty. |
|---|---|---|---|
| PS 2.0 | 0,75 mm² | **0310000000** | 20 |

## Disconnect Element


| In combination with | Y (mm) |
|---|---|
| LP 5.08/ …/90 | 12.84 |
| LPP 5.08/…/90 | 15.24 |

The LPA TR disconnect element can be latched to the rear of the **LP 5.08/90** and **LPP 5.08/90**. It can also be dovetailed (also in combination with LPA SI) on the PCB, whereby max. 24 disconnect elements can be dovetailed together

### Technical data

| | VDE | UL | CSA |
|---|---|---|---|
| Rated voltage | 250 V | 300 V | 300 V |
| Rated current | 9 A | 10 A | 10 A |

### Ordering data

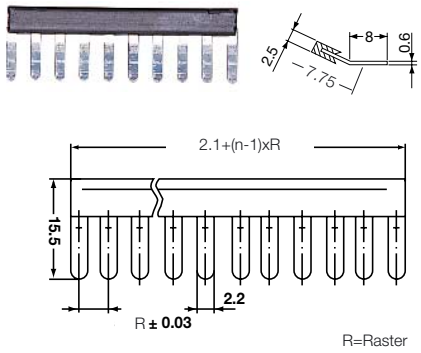
| **Solder pin length** | | **3.2 mm** | **4.5 mm** | |
|---|---|---|---|---|
| Type | can be used with | Cat. No. | Cat. No. | Qty. |
| LPA TR OR | LP 5.08/90 and LPP 5.08/90 | **1495460000** | **1495560000** | 100 |

## Screwdriver


### Ordering data

| Type | Clamping screw | Product | Cat. No. |
|---|---|---|---|
| SDI 0.4 x 2.5 x 75 | M2 | LM3.5 | **9008370000** |
| SD 0.6 x 3.5 x 100 | M2.5 | LM 5.0x<br>TOP1.5GS<br>LMT 5.08<br>PM 5.08<br>MK 8<br>MK 7.5 | **9008330000** |
| SD 0.8 x 4.0 x 100 | M3 | System LP<br>TOP4GS | **9008400000** |
| SDI 1.2 x 6.5 x 150 | M4 | LU 10.16<br>GSE 10 | **9008420000** |
| SD 1.0 x 5.5 x 125 | M5 | LX 15.00 | **9008350000** |

## Cross-Connections




The cross-connection combs permit post-assembly potential distribution across several poles and eliminates the need for time-consuming bridging.
The use of cross-connection combs reduces the possible cable size to the next lowest wire gauge. Cross-connections are available for various pitches and poles. Pole numbers and pitches not available can be made directly by the customer by snipping off excess cross-connections from the comb using a suitable tool.

### Ordering data

| Poles | Pitch | Type | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | 5.08 mm | LPA QB2 | **1472200000** | 50 |
| 3 | 5.08 mm | LPA QB3 | **1472300000** | 50 |
| 4 | 5.08 mm | LPA QB4 | **1472400000** | 50 |
| 10 | 5.08 mm | LPA QB10 | **1472500000** | 20 |
| 17 | 5.08 mm | LPA QB17 | **1584770000** | 20 |
| 24 | 5.08 mm | LPA QB24 | **1472600000** | 20 |

## Fixing Block for TOP's

For modular assembly of the TOP1.5GS PCB terminals there is a fixing set available for the PCB. This set consists of a plastic block and the appropriate self-tapping screw (2.9 x 19 mm). It can be used with both the 90° and the 180° versions.

### Ordering data

| Type | Cat. No. | Qty. |
|---|---|---|
| TOP1.5GS BB OR | **1539860000** | 20 |

## Insertion Tool

**Spring displacement tool for tension clamp PCB terminals**

SD 0.6 x 3.5 x 100 (DIN 5264-A)

To displace the tension clamp you do not need a special tool. The channel on the pcb terminal will take a standard screwdriver 0.6 x 3.5 x 100 according to DIN 5264-A with a flat blade.

### Bestelldaten

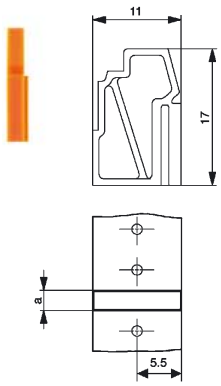
| Type | can be used for | Cat. No. | Qty. |
|---|---|---|---|
| SD 0.6 x 3.5 x 100 | all LMZF 5.08<br>and LPZF 5.08 | **9008330000** | 10 |

## Ferrules / Tools

Weidmueller supplies a comprehensive range of ferrules, including for example twin ferrules for attaching two wires to one cable entry.

For more information also ask for our sectional catalogue **"Tools"** (cat. no. 5629030000), or consult your nearest Weidmueller Sales Engineer or Representative. They will be only too pleased to assist.

## Adaptor Plates LPZP/90




**Thickness 2.54 mm (a)**

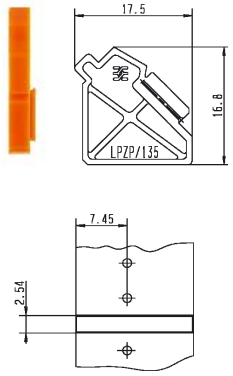
| Type | Cat. No. | Qty. |
|---|---|---|
| LPZP 2.54/90 OR | **1747480000** | 100 |

**Thickness 1.27 mm (a)**

| Type | Cat. No. | Qty. |
|---|---|---|
| LPZP 1.27/90 OR | **1747490000** | 100 |

**Please see processing notes and application examples on page 47-48.**

## Adaptor Plates LPZP/135

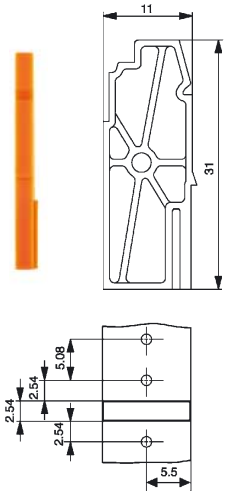



**Thickness 2.54 mm**

| Type | Cat. No. | Qty. |
|---|---|---|
| LPZP 2.54/135 OR | **1753740000** | 100 |

**Please see processing notes and application examples on page 47-48.**

## Adaptor Plates LPZP1N

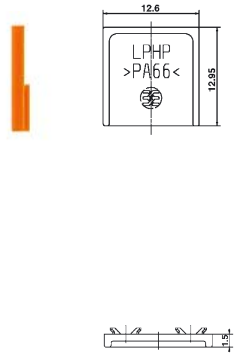



**Thickness 2.54 mm**

| Type | Cat. No. | Qty. |
|---|---|---|
| LPZP1N 2.54 OR | **1747470000** | 100 |

**Please see processing notes and application examples on page 47-48.**

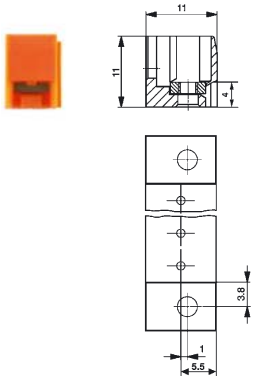
## Fixing Plates LPHP




| Type | Cat. No. | Qty. |
|---|---|---|
| LPHP | **1753440000** | 100 |

**Please see processing notes and application examples on page 47-48.**

## Fixing Blocks LPBB




| Type | Cat. No. | Qty. |
|---|---|---|
| LPBB MU OR * | **1747530000** | 100 |
| LPBB OR ** | **1747540000** | 100 |

**Please see processing notes and application examples on page 47-48.**

* Square nut is inserted. Clamping screw M3 is not included in delivery.
** Square nut M3 DIN 562 and clamping screw M3 are not included in delivery.

## Application Examples of System LP - Adaptor Plates

### LPZP 2.54/90

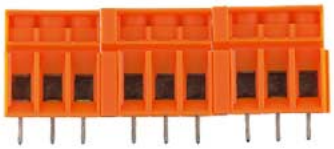


Fig. 1

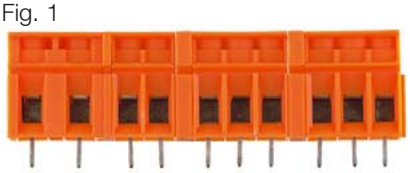


Fig. 2

Fig. 3

LPZP 2.54/90 adaptor plate to create optical separation and pitch stepping (s. fig. 1-3, 9-16) with printed circuit board versions of 90° and 180° cable entry orientation with respect to the pcb.

### LPZP 1.27/90

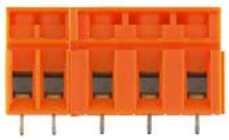


Fig. 4

LPZP 1.27/90 adaptor plate to create the 7.62 mm pitch in assembling terminal blocks in 5.08 mm and 7.62 mm pitch (s. fig. 2-4) with printed circuit board versions of 90° and 180° cable entry orientation with respect to the pcb.

### LPZP 2.54/135

Fig. 5

LPZP 2.54/135 adaptor plate to create optical separation and pitch stepping (s. fig. 5) with printed circuit board versions of 135° cable entry orientation with respect to the pcb.

### LPZP1N 2.54

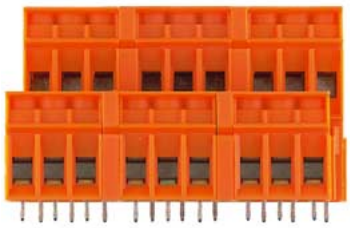


Fig. 6

Adaptor plate to create optical separations and pitch stepping of a rear row of LP2N (s. fig. 6).

Analogous to the rear attachment, a LPZP 2.54/90 must also be inserted in the front row.

### PCB mounting blocks

### LPBB

Fig. 7

Fig. 8

The LPBB is used for safely attaching single-row printed circuit board terminals, with 90° and 180° cable entry orientation and multiple-row printed circuit board terminals, to the pcb (s. fig. 7, 8, 10, 12, 14-15). For the 180° versions, only the LPBB without inserted nut can be used.

### LPHP

Fig. 9

The LPHP fixing plate gives additional safety to the single-pole LP if it is installed at the far end of a pcb terminal in order to produce the pitch 7.62 mm to the next pole with an adaptor plate.

The fixing plate can easily be shifted onto the rear dovetails of the pcb terminal (s. fig. 9, 11, 13 + 16).

# Application Examples of System LP - Adaptor Plates

## Mixed pitches

Fig. 10

Fig. 11

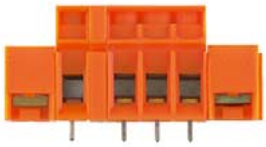


Fig. 12

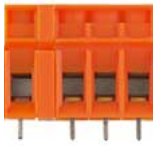


Fig. 13

Fig. 14

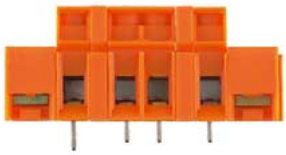


Fig. 15

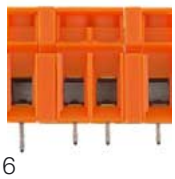


Fig. 16

The single-pole LP permits mixed pitches to be combined easily if this is not possible using two- or three-pole blocks (s. fig. 10-16).

**Caution:**
The single-pole printed circuit board terminal LP may only be at the end of the assembly if it is attached to the printed circuit board using the LPBB fixing blocks. Or if the LPHP provides an additional connection between the outside single-pole element and the neighbouring pole.

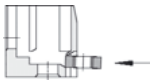
## Processing notes

When mounting a double-level version at first the individual levels must be mounted. Then they can be attached together by the use of dovetails.

In a 24-pole block a maximum of 10 adaptor plates LPZP resp. LPZP1N or 1-pole LP's can be used. Then a maximum of 6 single-pole LP's can be arranged directly together.

## Mounting instruction

Square nut in LPBB for 90° version.



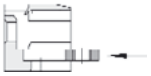
1. Insert nut.

2. Press down nut by use of screwdriver.

3. Press back nut by use of screwdriver.

4. Nut is catched.

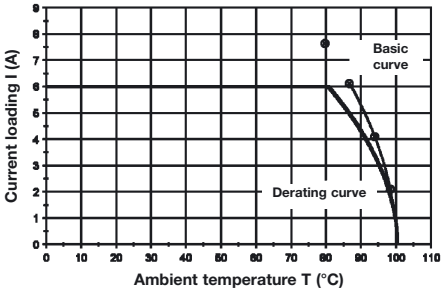
Square nut in LPBB for 180° version.



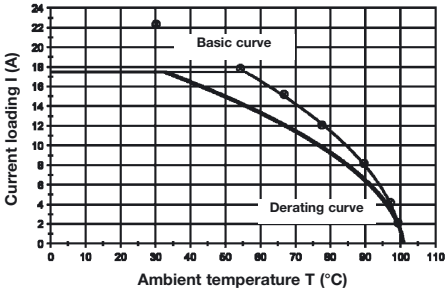
1. Insert nut.

2. Nut is loosely enclosed in the LPBB.

| Materials | | PM 5.08 | | |
|---|---|---|---|---|
| Insulation material | | PA 66 | | |
| Colour 1) | | orange, black | | |
| Temperature range | °C | -20… +100 | | |
| Flammability class. | UL94 | V-2 | | |
| Contact base material | | CuSn | | |
| Contact plating | | tin-plated | | |
| **System characteristic values** | | | | |
| Pitch | mm | 5.08 | | |
| Connection method | | leaf spring connection | | |
| Solder pin length | mm | 3.5 | | |
| PCB hole diameter | Ømm | $1.1^{+0.1}$ | | |
| Insulation stripping length | mm | 6.0 | | |
| Clamping screw | M | 2.5 | | |
| Insulation resistance | MΩ | ≥ $10^3$ | | |
| Through resistance | mΩ | ≤ 1.0 | | |
| Torque | Nm | 0.4 …0.5 | | |
| **Conductor size** | | | | |
| Clamping range | mm² | 0.18… 1.5 | | |
| "e" solid H05(07) V-U | mm² | 0.5… 1.5 | | |
| "f" flexible H05(07) V-K | mm² | 0.5… 1.5 | | |
| "f" with ferrule to DIN 46228/1 | mm² | 0.5… 1.0 | | |
| … with plastic collar to DIN 46228/4 | mm² | 0.5… 1.0 | | |
| Gauge to EN 60999 | mm (size) | – | | |
| **VDE 0110 1.89 rated data** | | | | |
| Rated cross-section to EN 60999 | mm² | 1.5 | | |
| Rated current 3) | A | 17.5 | | |
| **Overvoltage category / Pollution severity** | | **III/3** | **III/2** | **II/2** |
| Rated voltage | V | 250 | 250 | 500 |
| Impulse voltage | kV | 4.0 | 4.0 | 4.0 |
| **UL rated data** | | | | |
| Rated voltage, industrial | V~ | 300 | | |
| Rated current | A | 10 | | |
| AWG conductor (field wiring) | | 22… 14 | | |
| **CSA rated data** | | | | |
| Rated voltage, industrial | V~ | 300 | | |
| Rated current | A | 10 | | |
| AWG conductor (field wiring) | | 22… 14 | | |




PM 5.08/6 poles with
Conductor H05V-K0.5 mm²




PM 5.08/6 poles with
Conductor H07V-K1.5 mm²

**Application notes**

1) additional colours on request

3) referred to 20°C ambient temperature, rated cross-section and number of poles

Ordering data: page 12

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

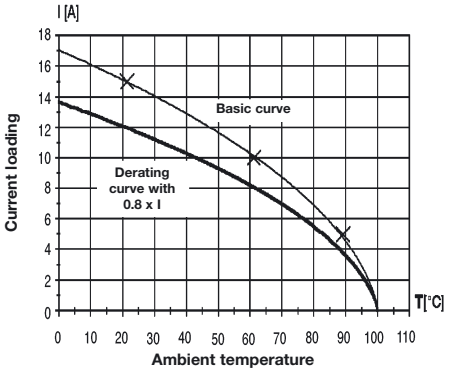
Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

| Materials | | MK8 5.08 | | | MK7.5 | | |
|---|---|---|---|---|---|---|---|
| Insulation material | | PA 66 | | | PA 66 | | |
| Colour 1) | | orange | | | orange | | |
| Temperature range | °C | -20… +100 | | | -20… +100 | | |
| Flammability class. | UL94 | V-2 | | | V-2 | | |
| Contact base material | | CuZn | | | CuZn | | |
| Contact plating | | tin-plated | | | tin-plated | | |
| **System characteristic values** | | | | | | | |
| Pitch | mm | 5.08 | | | 7.50 | | |
| Connection method | | leaf spring connection | | | leaf spring connection | | |
| Solder pin length | mm | 5.0 | | | 5.0 | | |
| PCB hole diameter | Ømm | $1.3^{+0.1}$ | | | $1.3^{+0.1}$ | | |
| Insulation stripping length | mm | 6.0 | | | 6.0 | | |
| Clamping screw | M | 2.5 | | | 2.5 | | |
| Insulation resistance | MΩ | ≥ $10^3$ | | | ≥ $10^3$ | | |
| Through resistance | mΩ | ≤ 0.5 | | | ≤ 0.5 | | |
| Torque | Nm | 0.4 …0.5 | | | 0.4 …0.5 | | |
| **Conductor size** | | | | | | | |
| Clamping range | $mm^2$ | 0.5… 1.5 | | | 0.5… 1.5 | | |
| "e" solid H05(07) V-U | $mm^2$ | 0.5… 1.5 | | | 0.5… 1.5 | | |
| "f" flexible H05(07) V-K | $mm^2$ | 0.5… 1.5 | | | 0.5… 1.5 | | |
| "f" with ferrule to DIN 46228/1 | $mm^2$ | 0.5… 1.0 | | | 0.5… 1.0 | | |
| … with plastic collar to DIN 46228/4 | $mm^2$ | – | | | – | | |
| Gauge to EN 60999 | mm (size) | 2.4 x 1.5 (A1) | | | 2.4 x 1.5 (A1) | | |
| **VDE 0110 1.89 rated data** | | | | | | | |
| Rated cross-section to EN 60999 | $mm^2$ | 1.5 | | | 1.5 | | |
| Rated current 3) | A | 16 | | | 16 | | |
| **Overvoltage category / Pollution severity** | | **III/3** | **III/2** | **II/2** | **III/3** | **III/2** | **II/2** |
| Rated voltage | V | 160 | 100 | 150 | 250 | 400 | 630 |
| Impulse voltage | kV | 1.5 | 1.5 | 1.5 | 4.0 | 4.0 | 4.0 |
| **UL rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 150 | | | 300 | | |
| Rated current | A | 15 | | | 16 | | |
| AWG conductor (field wiring) | | 22… 14 | | | 22… 16 | | |
| **CSA rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 150 | | | 300 | | |
| Rated current | A | 15 | | | 10 | | |
| AWG conductor (field wiring) | | 22… 14 | | | 22… 16 | | |
| **Application notes** | | | | | | | |
| 1) additonal colours on request | | Ordering data: page 12 | | | Ordering data: page 12 | | |
| 3) referred to 20°C ambient temperature, rated cross-section and number of poles | | | | | | | |

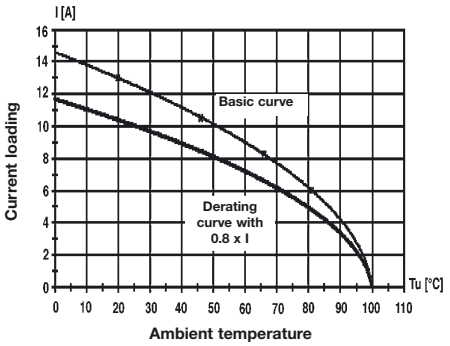
For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

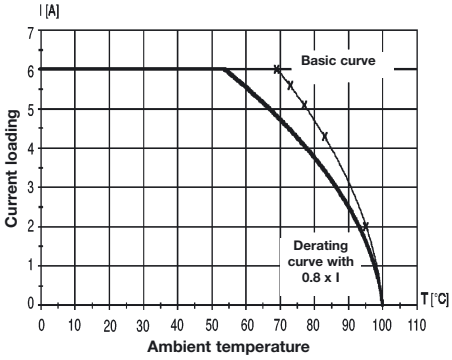
| Materials | | LM 3.5 | LM1N 3.5 / LM2N 3.5 |
|---|---|---|---|
| Insulation material | | PA 66 | PA 66 |
| Colour 1) | | orange, black | orange, black |
| Temperature range | °C | -20… +100 | -20… +100 |
| Flammability class. | UL94 | V-2 | V-2 |
| Contact base material | | CuSn | CuSn |
| Contact plating | | tin-plated | tin-plated |
| **System characteristic values** | | | |
| Pitch | mm | 3.5 | 3.5 |
| Connection method | | screw clamp connection | screw clamp connection |
| Solder pin length | mm | 3.2/4.5 | 3.2/4.5 |
| PCB hole diameter | Ømm | $1.3^{+0.1}$ | $1.3^{+0.1}$ |
| Insulation stripping length | mm | 5.0 | 5.0 |
| Clamping screw | M | 2 | 2 |
| Insulation resistance | MΩ | ≥ $10^3$ | ≥ $10^3$ |
| Through resistance | mΩ | ≤ 2.2 | ≤ 3.6 |
| Torque | Nm | 0.2 …0.25 | 0.2 …0.25 |
| **Conductor size** | | | |
| Clamping range | mm² | 0.08… 1.5 | 0.08… 1.5 |
| "e" solid H05(07) V-U | mm² | 0.5… 1.5 | 0.5… 1.5 |
| "f" flexible H05(07) V-K | mm² | 0.5… 1.5 | 0.5… 1.5 |
| "f" with ferrule to DIN 46228/1 | mm² | - | - |
| … with plastic collar to DIN 46228/4 | mm² | - | - |
| Gauge to EN 60999 | mm (size) | 2.4 x 1.5 (A1) | 2.4 x 1.5 (A1) |
| **VDE 0110 1.89 rated data** | | | |
| Rated cross-section to EN 60999 | mm² | 1.5 | 1.5 |
| Rated current 3) | A | 12 | 10 |
| **Overvoltage category / Pollution severity** | | **III/3 III/2 II/2** | **III/3 III/2 II/2** |
| Rated voltage | V | 125 200 320 | 125 200 320 |
| Impulse voltage | kV | 2.5 2.5 2.5 | 2.5 2.5 2.5 |
| **UL rated data** | | | |
| Rated voltage, industrial | V~ | 300 | 300 |
| Rated current | A | 10 | 10 |
| AWG conductor (field wiring) | | 28… 14 | 28… 14 |
| **CSA rated data** | | | |
| Rated voltage, industrial | V~ | 300 | 300 |
| Rated current | A | 10 | 10 |
| AWG conductor (field wiring) | | 28… 14 | 28… 14 |
| **Application notes** | | | |
| 1) additional colours on request | | Ordering data: page 13 | Ordering data: page13-14 |
| 3) referred to 20°C ambient temperature, rated cross-section and number of poles | | | |




LM 3.5/24/90 3.2 OR with Conductor H07V-K1.5 mm²




LM2N 3.5/12 3.2 OR with Conductor H07V-K1.5 mm²




LM2N 3.5/12 3.2 OR with Conductor H05V-K0.5 mm²

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

| Materials | | LM 5.00 | LM 5.08 |
|---|---|---|---|
| Insulation material | | PA 66 | PA 66 |
| Colour 1) | | orange, black | orange, black |
| Temperature range | °C | -20… +100 | -20… +100 |
| Flammability class. | UL94 | V-2 | V-2 |
| Contact base material | | CuZn | CuZn |
| Contact plating | | tin-plated | tin-plated |

| System characteristic values | | | |
|---|---|---|---|
| Pitch | mm | 5.00 | 5.08 |
| Connection method | | screw clamp connection | screw clamp connection |
| Solder pin length | mm | 3.5 | 3.5 |
| PCB hole diamter | Ømm | $1.3^{+0.1}$ | $1.3^{+0.1}$ |
| Insulation stripping length | mm | 6.0 | 6.0 |
| Clamping screw | M | 2.5 | 2.5 |
| Insulation resistance | MΩ | ≥ $10^3$ | ≥ $10^3$ |
| Through resistance | mΩ | ≤ 1.2 | ≤ 1.2 |
| Torque | Nm | 0.4 …0.5 | 0.4 …0.5 |

| Conductor size | | | |
|---|---|---|---|
| Clamping range | mm² | 0.14…1.5 | 0.14…1.5 |
| "e" solid H05(07) V-U | mm² | 0.5…1.5 | 0.5…1.5 |
| "f" flexible H05(07) V-K | mm² | 0.5…1.5 | 0.5…1.5 |
| "f" with ferrule to DIN 46228/1 | mm² | 0.5…1.0 | 0.5…1.0 |
| … with plastic collar to DIN 46228/4 | mm² | 0.5…1.0 | 0.5…1.0 |
| Gauge to EN 60999 | mm (size) | 2.4 x 1.5 (A1) | 2.4 x 1.5 (A1) |

| VDE 0110 1.89 rated data | | | | | | | |
|---|---|---|---|---|---|---|---|
| Rated cross-section to EN 60999 | | mm² | 1.5 | | | 1.5 | |
| Rated current 3) | for LM 5.00/5.08 | A | 17.5 | | | 17.5 | |
| | for LM2N 5.08 | A | – | | | 15.5 | |
| | for LM2H 5.08 | A | – | | | 15 | |
| | for LM3R 5.08 | A | – | | | 13.5 | |
| **Overvoltage category / Pollution severity** | | | **III/3** | **III/2** | **II/2** | **III/3** | **III/2** | **II/2** |
| Rated voltage | | V | 250 | 250 | 500 | 250 | 250 | 500 |
| Impulse voltage | | kV | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |

| UL rated data | | | |
|---|---|---|---|
| Rated voltage, industrial | V~ | 300 | 300 |
| Rated current | A | 10 | 10 |
| AWG conductor (field wiring) | | 24… 14 | 24… 14 |

| CSA rated data | | | |
|---|---|---|---|
| Rated voltage, industrial | V~ | 300 | 300 |
| Rated current | A | 10 | 10 |
| AWG conductor (field wiring) | | 24… 14 | 24… 14 |

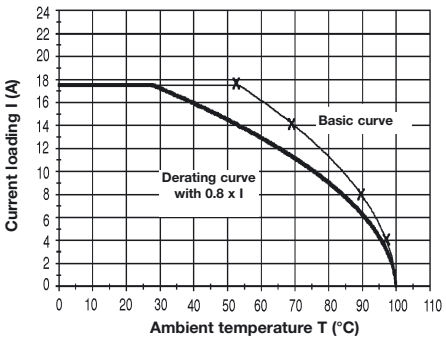
**Application notes**

1) additional colours on request

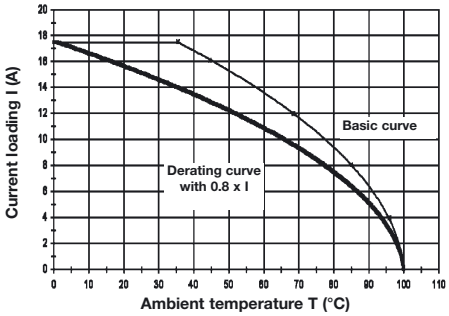
3) referred to 20°C ambient temperature, rated cross-section and number of poles

Ordering data: page 15

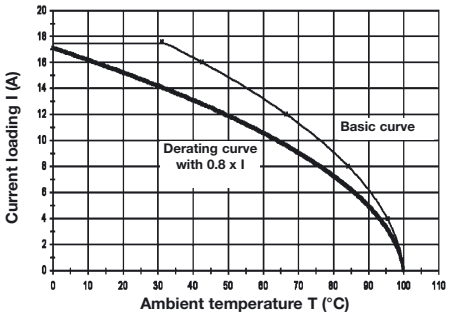
Ordering data: page 16-18



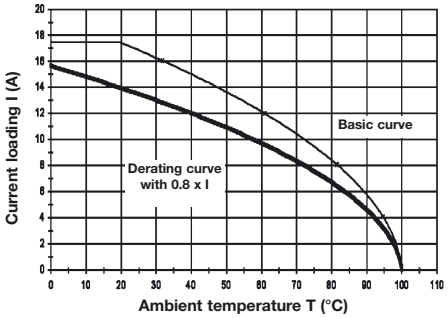

LM 5.08/180/6 poles with
Conductor H07V-K1.5 mm²




LM2N 5.08/90/6 poles with
Conductor H07V-K1.5 mm²




LM2H 5.08/90/6 poles with
Conductor H07V-K1.5 mm²




LM3R 5.08/90/6 poles with
Conductor H07V-K1.5 mm²

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

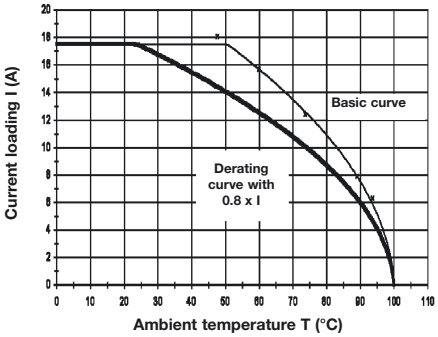
| Materials | | LMZF 5.08/90°/180° | | | LMZF 5.08/135° | | |
|---|---|---|---|---|---|---|---|
| Insulation material | | PA 66 | | | PA 66 | | |
| Colour 1) | | orange | | | orange | | |
| Temperature range | °C | -20… +100 | | | -20… +100 | | |
| Flammability class. | UL94 | V-2 | | | V-2 | | |
| Contact base material | | E-Cu | | | CuSn | | |
| Contact plating | | tin-plated | | | tin-plated | | |
| **System characteristic values** | | | | | | | |
| Pitch | mm | 5.08 | | | 5.08 | | |
| Connection method | | tension clamp connection | | | tension clamp connection | | |
| Solder pin length | mm | 2.8/3.2/4.1/4.5 | | | 3.2/4.5 | | |
| PCB hole diamter | Ømm | $1.3^{+0.1}$ | | | $1.3^{+0.1}$ | | |
| Insulation stripping length | mm | 7.0 | | | 7.0 | | |
| Clamping screw | M | – | | | – | | |
| Insulation resistance | MΩ | ≥ $10^3$ | | | ≥ $10^3$ | | |
| Through resistance | mΩ | ≤ 1.3 | | | ≤ 3.9 | | |
| Torque | Nm | – | | | – | | |
| **Conductor size** | | | | | | | |
| Clamping range | $mm^2$ | 0.14… 1.5 | | | 0.14… 1.5 | | |
| "e" solid H05(07) V-U | $mm^2$ | 0.5… 1.5 | | | 0.5… 1.5 | | |
| "f" flexible H05(07) V-K | $mm^2$ | 0.5… 1.5 | | | 0.5… 1.5 | | |
| "f" with ferrule to DIN 46228/1 | $mm^2$ | 0.5… 1.5 | | | 0.5… 1.5 | | |
| … with plastic collar to DIN 46228/4 | $mm^2$ | - | | | - | | |
| Gauge to EN 60999 | mm (size) | 2.4 x 1.5 (A1) | | | 2.4 x 1.5 (A1) | | |
| **VDE 0110 1.89 rated data** | | | | | | | |
| Rated cross-section to EN 60999 | $mm^2$ | 1.5 | | | 1.5 | | |
| Rated current 3) | A | 14 | | | 14 | | |
| **Overvoltage category / Pollution severity** | | **III/3** | **III/2** | **II/2** | **III/3** | **III/2** | **II/2** |
| Rated voltage | V | 250 | 400 | 630 | 250 | 400 | 630 |
| Impulse voltage | kV | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| **UL rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 300 | | | 300 | | |
| Rated current | A | 10 | | | 10 | | |
| AWG conductor (field wiring) | | 26… 14 | | | 26… 14 | | |
| **CSA rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 300 | | | 300 | | |
| Rated current | A | 10 | | | 10 | | |
| AWG conductor (field wiring) | | 26… 14 | | | 26… 14 | | |

**Application notes**

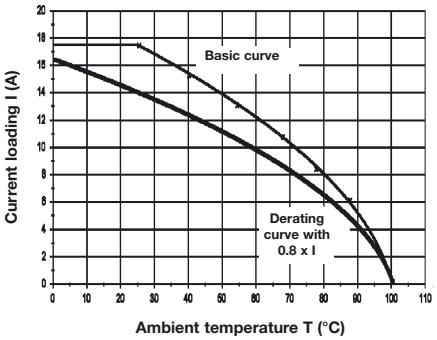
1) additional colours on request
3) referred to 20°C ambient temperature, rated cross-section and number of poles

Ordering data: page 19

Ordering data: page19




LMZF 5.08/90/6 poles with Conductor H07V-K1.5 $mm^2$

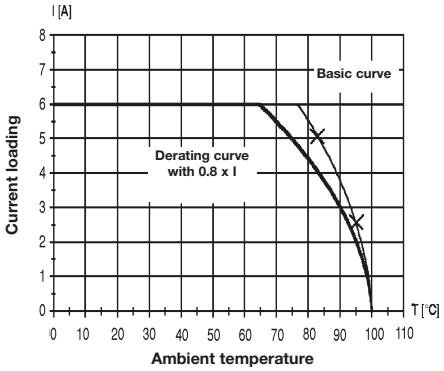



LMZF 5.08/180/24 poles with Conductor H07V-K1.5 $mm^2$

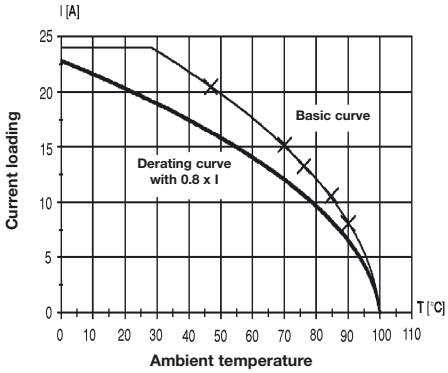
For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

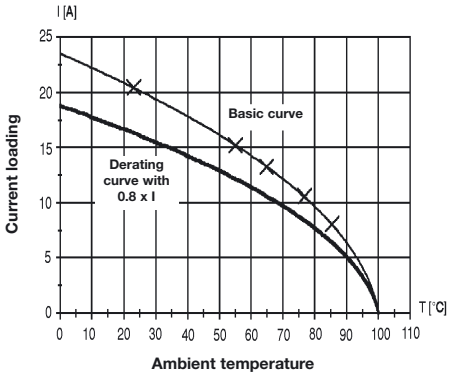
| Materials | | LM2NZF/LM3RZF 5.08 | | | LPZF 5.08 | | |
|---|---|---|---|---|---|---|---|
| Insulation material | | PA 66 | | | PA 66 | | |
| Colour 1) | | orange | | | black | | |
| Temperature range | °C | -20… +100 | | | -20… +100 | | |
| Flammability class. | UL94 | V-2 | | | V-2 | | |
| Contact base material | | Cu-alloy | | | CuSn | | |
| Contact plating | | tin-plated | | | tin-plated | | |
| **System characteristic values** | | | | | | | |
| Pitch | mm | 5.08 | | | 5.08 | | |
| Connection method | | tension clamp connection | | | tension clamp connection | | |
| Solder pin length | mm | 3.5 | | | 3.2/4.5 | | |
| PCB hole diamter | Ømm | $1.3^{+0.1}$ | | | $1.3^{+0.1}$ | | |
| Insulation stripping length | mm | 7.5 | | | 11.0 | | |
| Clamping screw | M | – | | | – | | |
| Insulation resistance | MΩ | – | | | ≥ $10^3$ | | |
| Through resistance | mΩ | ≤ 2.1 | | | ≤ 2.5 | | |
| Torque | Nm | – | | | – | | |
| **Conductor size** | | | | | | | |
| Clamping range | $mm^2$ | 0.2… 2.5 | | | 0.14… 2.5 | | |
| "e" solid H05(07) V-U | $mm^2$ | 0.2… 2.5 | | | 0.5… 2.5 | | |
| "f" flexible H05(07) V-K | $mm^2$ | 0.2… 1.5 | | | 0.5… 2.5 | | |
| "f" with ferrule to DIN 46228/1 | $mm^2$ | 0.25… 1.5 | | | 0.5… 1.5 | | |
| … with plastic collar to DIN 46228/4 | $mm^2$ | 0.25… 1.5 | | | 0.5… 1.5 | | |
| Gauge to EN 60999 | mm (size) | A1 | | | 2.8 x 2.0 (A2) | | |
| **VDE 0110 1.89 rated data** | | | | | | | |
| Rated cross-section to EN 60999 | $mm^2$ | 2.5 | | | 2.5 | | |
| Rated current 3) | A | 12 | | | 16 | | |
| **Overvoltage category / Pollution severity** | | **III/3** | **III/2** | **II/2** | **III/3** | **III/2** | **II/2** |
| Rated voltage | V | 250 | 320 | 630 | 250 | 250 | 500 |
| Impulse voltage | kV | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| **UL rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 300 | | | 300 | | |
| Rated current | A | 10 | | | 10 | | |
| AWG conductor (field wiring) | | 26… 12 | | | 26… 14 | | |
| **CSA rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 300 | | | 300 | | |
| Rated current | A | 10 | | | 10 | | |
| AWG conductor (field wiring) | | 28… 12 | | | 26… 14 | | |
| **Application notes** | | | | | | | |
| 1) additional colours on request | | Ordering data: page 20 | | | Ordering data: page 20 | | |
| 3) referred to 20°C ambient temperature, rated cross-section and number of poles | | | | | | | |




LPZF 5.08/2/180 3.2 BK with
Conductor H05V-K0.5 $mm^2$




LPZF 5.08/2/180 3.2 OR with
Conductor H07V-K2.5 $mm^2$




LPZF 5.08/12/180 3.2 OR with
Conductor H07V-K2.5 $mm^2$

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

| Materials | | TOP 1.5GS/5.08 | | | LMT 5.08 | | |
|---|---|---|---|---|---|---|---|
| Insulation material | | PA 66 | | | PA 66 | | |
| Colour 1) | | orange, grey | | | black | | |
| Temperature range | °C | -20… +100 | | | -20… +100 | | |
| Flammability class. | UL94 | V-2 | | | V-2 | | |
| Contact base material | | CuZn | | | CuSn | | |
| Contact plating | | tin-plated | | | tin-plated | | |
| **System characteristic values** | | | | | | | |
| Pitch | mm | 5.08 | | | 5.08 | | |
| Connection method | | TOP connection | | | TOP connection | | |
| Solder pin length | mm | 3.8/4.8 | | | 3.2/4.5 | | |
| PCB hole diamter | Ømm | $1.3^{+0.1}$ | | | $1.3^{+0.1}$ | | |
| Insulation stripping length | mm | 10.0 | | | 11.0 | | |
| Clamping screw | M | 2.5 | | | 2.5 | | |
| Insulation resistance | MΩ | ≥ $10^3$ | | | ≥ $10^3$ | | |
| Through resistance | mΩ | ≤ 1.2 | | | ≤ 1.8 | | |
| Torque | Nm | 0.4 …0.5 | | | 0.4 …0.5 | | |
| **Conductor size** | | | | | | | |
| Clamping range | $mm^2$ | 0.13… 1.5 | | | 0.14… 1.5 | | |
| "e" solid H05(07) V-U | $mm^2$ | 0.5… 1.5 | | | 0.5… 1.5 | | |
| "f" flexible H05(07) V-K | $mm^2$ | 0.5… 1.5 | | | 0.5… 1.5 | | |
| "f" with ferrule to DIN 46228/1 | $mm^2$ | 0.5… 1.5 | | | 0.5… 1.5 | | |
| … with plastic collar to DIN 46228/4 | $mm^2$ | 0.5… 1.5 | | | 0.5… 1.5 | | |
| Gauge to EN 60999 | mm (size) | 2.4 x 1.5 (A1) | | | 2.4 x 1.5 (A1) | | |
| **VDE 0110 1.89 rated data** | | | | | | | |
| Rated cross-section to EN 60999 | $mm^2$ | 1.5 | | | 1.5 | | |
| Rated current 3) | A | 16 | | | 16 | | |
| **Overvoltage category / Pollution severity** | | **III/3** | **III/2** | **II/2** | **III/3** | **III/2** | **II/2** |
| Rated voltage | V | 250 | 320 | 630 | 250 | 400 | 630 |
| Impulse voltage | kV | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| **UL rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 300 | | | 300 | | |
| Rated current | A | 10 | | | 10 | | |
| AWG conductor (field wiring) | | 26… 14 | | | 26… 14 | | |
| **CSA rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 300 | | | 300 | | |
| Rated current | A | 10 | | | 10 | | |
| AWG conductor (field wiring) | | 26… 14 | | | 26… 14 | | |

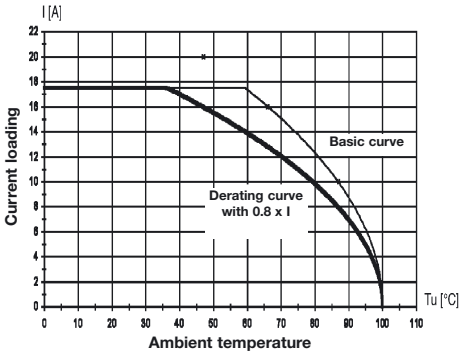
**Application notes**

1) additional colours on request

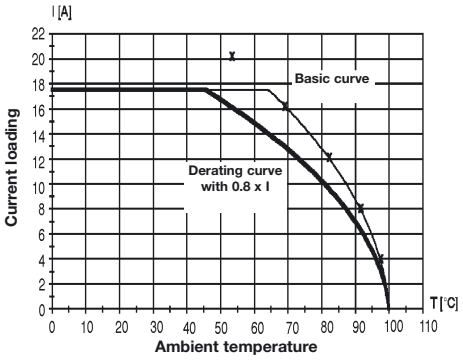
3) referred to 20°C ambient temperature, rated cross-section and number of poles

Ordering data: page 21

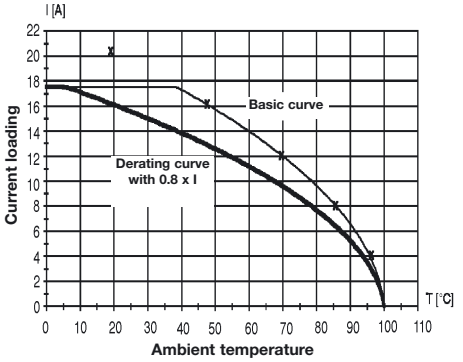
Ordering data: page 21




TOP1.5GS4/90 2STI OR with Conductor H07V-K1.5 $mm^2$




LMT 5.08/180/2 poles with Conductor H07V-K1.5 $mm^2$




LMT 5.08/180/12 poles with Conductor H07V-K1.5 $mm^2$

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

| Materials | | TOP 1.5GS/7.62 | | |
|---|---|---|---|---|
| Insulation material | | PA 66 | | |
| Colour 1) | | orange | | |
| Temperature range | °C | -20… +100 | | |
| Flammability class. | UL94 | V-2 | | |
| Contact base material | | CuZn | | |
| Contact plating | | tin-plated | | |
| **System characteristic values** | | | | |
| Pitch | mm | 7.62 | | |
| Connection method | | TOP-Anschluss | | |
| Solder pin length | mm | 4.5 | | |
| PCB hole diamter | Ømm | $1.3^{+0.1}$ | | |
| Insulation stripping length | mm | 10.0 | | |
| Clamping screw | M | 2.5 | | |
| Insulation resistance | MΩ | ≥ $10^3$ | | |
| Through resistance | mΩ | ≤ 1.2 | | |
| Torque | Nm | 0.4 …0.5 | | |
| **Conductor size** | | | | |
| Clamping range | $mm^2$ | 0.13… 1.5 | | |
| "e" solid H05(07) V-U | $mm^2$ | 0.5… 1.5 | | |
| "f" flexible H05(07) V-K | $mm^2$ | 0.5… 1.5 | | |
| "f" with ferrule to DIN 46228/1 | $mm^2$ | 0.5… 1.5 | | |
| … with plastic collar to DIN 46228/4 | $mm^2$ | 0.5… 1.5 | | |
| Gauge to EN 60999 | mm (size) | 2.4 x 1.5 (A1) | | |
| **VDE 0110 1.89 rated data** | | | | |
| Rated cross-section to EN 60999 | $mm^2$ | 1.5 | | |
| Rated current 3) | A | 16 | | |
| **Overvoltage category / Pollution severity** | | **III/3** | **III/2** | **II/2** |
| Rated voltage | V | 500 | 630 | 1000 |
| Impulse voltage | kV | 6.0 | 6.0 | 6.0 |
| **UL rated data** | | | | |
| Rated voltage, industrial | V~ | 300 | | |
| Rated current | A | 10 | | |
| AWG conductor (field wiring) | | 26… 14 | | |
| **CSA rated data** | | | | |
| Rated voltage, industrial | V~ | 300 | | |
| Rated current | A | 10 | | |
| AWG conductor (field wiring) | | 26… 14 | | |

**Application notes**

1) additional colours on request

3) referred to 20°C ambient temperature, rated cross-section and number of poles

Ordering data: page 22

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

| Materials | | LP 5.00/5.08 | LPTR 5.08/1 |
|---|---|---|---|
| Insulation material | | PA 66 | PA 66 |
| Colour 1) | | orange, black | orange, black |
| Temperature range | °C | -20… +100 | -20… +100 |
| Flammability class. | UL94 | V-2 | V-2 |
| Contact base material | | Cu-alloy | Cu-alloy |
| Contact plating | | tin-plated | tin-plated |

| System characteristic values | | | |
|---|---|---|---|
| Pitch | mm | 5.00/5.08 | 5.08 |
| Connection method | | screw clamp connection | screw clamp connection |
| Solder pin length | mm | 3.2/4.5 | 3.2/4.5 |
| PCB hole diamter | Ømm | $1.3^{+0.1}$ | $1.3^{+0.1}$ |
| Insulation stripping length | mm | 7.0 | 7.0 |
| Clamping screw | M | 3 | 3 |
| Insulation resistance | MΩ | ≥ $10^3$ | ≥ $10^3$ |
| Through resistance | mΩ | ≤ 1.2 | ≤ 1.9 |
| Torque | Nm | 0.5 …0.6 | 0.5 …0.6 |

| Conductor size | | | |
|---|---|---|---|
| Clamping range | mm² | 0.13… 4.0 | 0.13… 4.0 |
| "e" solid H05(07) V-U | mm² | 0.5… 4.0 | 0.5… 4.0 |
| "f" flexible H05(07) V-K | mm² | 0.5… 2.5 | 0.5… 2.5 |
| "f" with ferrule to DIN 46228/1 | mm² | 0.5… 2.5 | 0.5… 2.5 |
| … with plastic collar to DIN 46228/4 | mm² | – | – |
| Gauge to EN 60999 | mm (size) | 2.8 x 2.4 (A3) | 2.8 x 2.4 (A3) |

| VDE 0110 1.89 rated data | | | | | | | |
|---|---|---|---|---|---|---|---|
| Rated cross-section to EN 60999 | | mm² | 4.0 | | | 4.0 | |
| Rated current 3) | for LP and LPP | A | 25 | | | 20 | |
| | for LPN and LPH | A | 24 | | | – | |
| | for LP3R | A | 22 | | | – | |
| **Overvoltage category / Pollution severity** | | | **III/3** | **III/2** | **II/2** | **III/3** | **III/2** | **II/2** |
| Rated voltage | | V | 250 | 250 | 500 | 250 | 250 | 500 |
| Impulse voltage | | kV | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |

| UL rated data | | | |
|---|---|---|---|
| Rated voltage, industrial | V~ | 300 | 300 |
| Rated current | A | 15 | 15 |
| AWG conductor (field wiring) | | 26… 12 | 26 …12 |

| CSA rated data | | | |
|---|---|---|---|
| Rated voltage, industrial | V~ | 300 | 300 |
| Rated current | A | 15 | 15 |
| AWG conductor (field wiring) | | 26… 12 | 26 …12 |

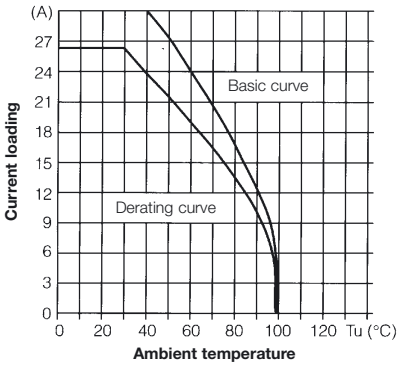
**Application notes**

1) additional colours on request

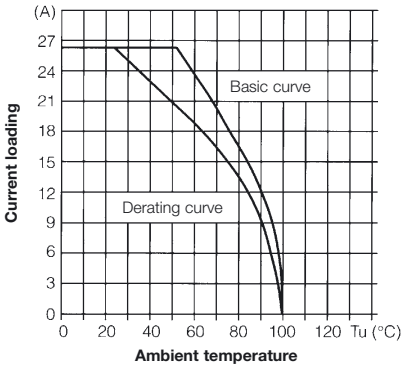
3) referred to 20°C ambient temperature, rated cross-section and number of poles

Ordering data: page 23-28

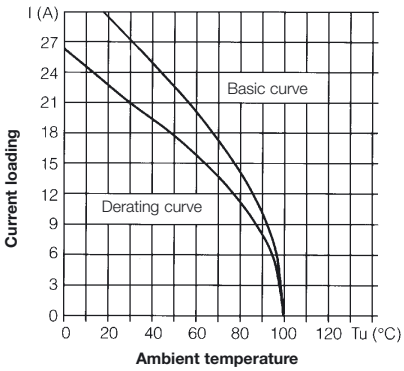
Ordering data: page 28




LP 5.08/6/90 with
Conductor H07V-K2.5 mm²




LP2N 5.08/12/90 with
Conductor H07V-K2.5 mm²




LP3R 5.08/18/90 with
Conductor H07V-K2.5 mm²

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

| Materials | | LP 7.50/7.62 |
|---|---|---|
| Insulation material | | PA 66 |
| Colour 1) | | orange, black |
| Temperature range | °C | -20… +100 |
| Flammability class. | UL94 | V-2 |
| Contact base material | | Cu-alloy |
| Contact plating | | tin-plated |

| System characteristic values | | |
|---|---|---|
| Pitch | mm | 7.50/7.62 |
| Connection method | | screw clamp connection |
| Solder pin length | mm | 3.2/4.5 |
| PCB hole diamter | Ømm | $1.3^{+0.1}$ |
| Insulation stripping length | mm | 7.0 |
| Clamping screw | M | 3 |
| Insulation resistance | MΩ | ≥ $10^3$ |
| Through resistance | mΩ | ≤ 1.2 |
| Torque | Nm | 0.5 …0.6 |

| Conductor size | | |
|---|---|---|
| Clamping range | $mm^2$ | 0.13… 4.0 |
| "e" solid H05(07) V-U | $mm^2$ | 0.5… 4.0 |
| "f" flexible H05(07) V-K | $mm^2$ | 0.5… 2.5 |
| "f" with ferrule to DIN 46228/1 | $mm^2$ | 0.5… 2.5 |
| … with plastic collar to DIN 46228/4 | $mm^2$ | – |
| Gauge to EN 60999 | mm (size) | 2.8 x 2.4 (A3) |

| VDE 0110 1.89 rated data | | | | |
|---|---|---|---|---|
| Rated cross-section to EN 60999 | $mm^2$ | 4.0 | | |
| Rated current 3) for LP and LPP | A | 26 | | |
| **Overvoltage category / Pollution severity** | | **III/3** | **III/2** | **II/2** |
| Rated voltage | V | 500 | 500 | 1000 |
| Impulse voltage | kV | 6.0 | 6.0 | 6.0 |

| UL rated data | | |
|---|---|---|
| Rated voltage, industrial | V~ | 300 |
| Rated current | A | 15 |
| AWG conductor (field wiring) | | 26… 12 |

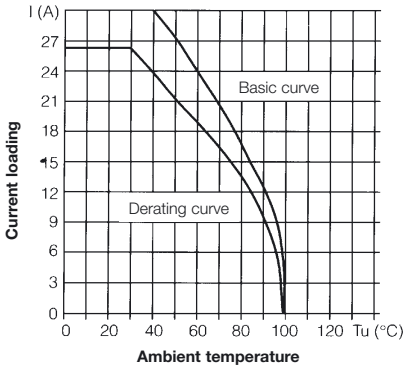
| CSA rated data | | |
|---|---|---|
| Rated voltage, industrial | V~ | 300 |
| Rated current | A | 15 |
| AWG conductor (field wiring) | | 26… 12 |

**Application notes**

1) additional colours on request

3) referred to 20°C ambient temperature, rated cross-section and number of poles

Ordering data: page 29-31




LP 7.62/6/90 with
Conductor H07V-K2.5 $mm^2$

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

| Materials | | LP 10.00 | | | LP 15.00 | | |
|---|---|---|---|---|---|---|---|
| Insulation material | | PA 66 | | | PA 66 | | |
| Colour 1) | | orange, black | | | orange, black | | |
| Temperature range | °C | -20… +100 | | | -20… +100 | | |
| Flammability class. | UL94 | V-2 | | | V-2 | | |
| Contact base material | | Cu-alloy | | | Cu-alloy | | |
| Contact plating | | tin-plated | | | tin-plated | | |
| **System characteristic values** | | | | | | | |
| Pitch | mm | 10.00 | | | 15.00 | | |
| Connection method | | screw clamp connection | | | screw clamp connection | | |
| Solder pin length | mm | 3.2/4.5 | | | 3.2/4.5 | | |
| PCB hole diamter | Ømm | $1.3^{+0.1}$ | | | $1.3^{+0.1}$ | | |
| Insulation stripping length | mm | 7.0 | | | 7.0 | | |
| Clamping screw | M | 3 | | | 3 | | |
| Insulation resistance | MΩ | ≥ $10^3$ | | | ≥ $10^3$ | | |
| Through resistance | mΩ | ≤ 1.2 | | | ≤ 1.2 | | |
| Torque | Nm | 0.5 …0.6 | | | 0.5 …0.6 | | |
| **Conductor size** | | | | | | | |
| Clamping range | $mm^2$ | 0.13… 4.0 | | | 0.13… 4.0 | | |
| "e" solid H05(07) V-U | $mm^2$ | 0.5… 4.0 | | | 0.5… 4.0 | | |
| "f" flexible H05(07) V-K | $mm^2$ | 0.5… 2.5 | | | 0.5… 2.5 | | |
| "f" with ferrule to DIN 46228/1 | $mm^2$ | 0.5… 2.5 | | | 0.5… 2.5 | | |
| … with plastic collar to DIN 46228/4 | $mm^2$ | – | | | – | | |
| Gauge to EN 60999 | mm (size) | 2.8 x 2.4 (A3) | | | 2.8 x 2.4 (A3) | | |
| **VDE 0110 1.89 rated data** | | | | | | | |
| Rated cross-section to EN 60999 | $mm^2$ | 4.0 | | | 4.0 | | |
| Rated current 3) | A | 26 | | | 27 | | |
| **Overvoltage category / Pollution severity** | | **III/3** | **III/2** | **II/2** | **III/3** | **III/2** | **II/2** |
| Rated voltage | V | 630 | 1000 | 1000 | 1000 | 1000 | 1000 |
| Impulse voltage | kV | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| **UL rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 300 | | | 600 | | |
| Rated current | A | 15 | | | 15 | | |
| AWG conductor (field wiring) | | 26… 12 | | | 26… 12 | | |
| **CSA rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 300 | | | 600 | | |
| Rated current | A | 15 | | | 15 | | |
| AWG conductor (field wiring) | | 26… 12 | | | 26… 12 | | |

**Application notes**

1) additional colours on request
3) referred to 20°C ambient temperature, rated cross-section and number of poles

Ordering data: page 32

Ordering data: page 32

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

| Materials | | GSF 5 | | |
|---|---|---|---|---|
| Insulation material | | PA 66 | | |
| Colour 1) | | orange | | |
| Temperature range | °C | -20… +100 | | |
| Flammability class. | UL94 | V-2 | | |
| Contact base material | | CuZn | | |
| Contact plating | | tin-plated | | |
| **System characteristic values** | | | | |
| Pitch | mm | 5.00 | | |
| Connection method | | puch-on tab connection | | |
| Solder pin length | mm | 3.4 | | |
| PCB hole diamter | Ømm | $1.3^{+0.1}$ | | |
| Insulation stripping length | mm | – | | |
| Clamping screw | M | – | | |
| Insulation resistance | MΩ | ≥ $10^3$ | | |
| Through resistance | mΩ | ≤ 1.2 | | |
| Torque | Nm | – | | |
| **Conductor size** | | | | |
| Clamping range | $mm^2$ | 0.25… 2.5 | | |
| "e" solid H05(07) V-U | $mm^2$ | – | | |
| "f" flexible H05(07) V-K | $mm^2$ | 0.25… 2.5 | | |
| "f" with ferrule to DIN 46228/1 | $mm^2$ | – | | |
| … with plastic collar to DIN 46228/4 | $mm^2$ | – | | |
| Gauge to EN 60999 | mm (size) | – | | |
| **VDE 0110 1.89 rated data** | | | | |
| Rated cross-section to EN 60999 | $mm^2$ | 2.5 | | |
| Rated current 3) | A | 14 | | |
| **Overvoltage category / Pollution severity** | | **III/3** | **III/2** | **II/2** |
| Rated voltage | V | 200 4) | 400 | 630 |
| Impulse voltage | kV | 4.0 | 4.0 | 4.0 |
| **UL rated data** | | | | |
| Rated voltage, industrial | V~ | 300 | | |
| Rated current | A | 8 | | |
| AWG conductor (field wiring) | | – | | |
| **CSA rated data** | | | | |
| Rated voltage, industrial | V~ | 300 | | |
| Rated current | A | 10 | | |
| AWG conductor (field wiring) | | – | | |

**Application notes**

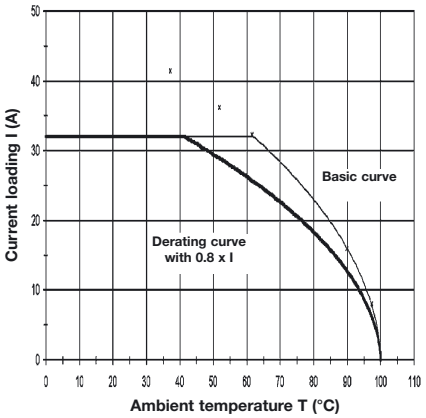
1) additional colours on request
3) referred to 20°C ambient temperature, rated cross-section and number of poles
4) mit Isolierhülse IH 6.3

Ordering data: page 37

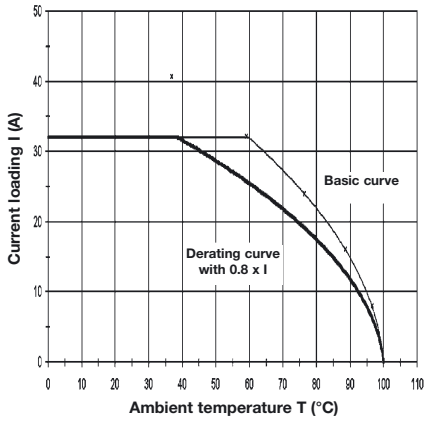
For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

| Materials | | LL 9.5 | | |
|---|---|---|---|---|
| Insulation material | | PA 66 | | |
| Colour 1) | | orange, black | | |
| Temperature range | °C | -20… +100 | | |
| Flammability class. | UL94 | V-0 | | |
| Contact base material | | CuSn | | |
| Contact plating | | tin-plated | | |
| **System characteristic values** | | | | |
| Pitch | mm | 9.52 | | |
| Connection method | | screw clamp connection | | |
| Solder pin length | mm | 5.0 | | |
| PCB hole diamter | Ømm | $1.3^{+0.1}$ | | |
| Insulation stripping length | mm | 7.0 | | |
| Clamping screw | M | 3 | | |
| Insulation resistance | MΩ | ≥ $10^3$ | | |
| Through resistance | mΩ | ≤ 0.7 | | |
| Torque | Nm | 0.5 …0.6 | | |
| **Conductor size** | | | | |
| Clamping range | $mm^2$ | 0.18 …6.0 | | |
| "e" solid H05(07) V-U | $mm^2$ | 0.5 …6.0 | | |
| "f" flexible H05(07) V-K | $mm^2$ | 0.5 …4.0 | | |
| "f" with ferrule to DIN 46228/1 | $mm^2$ | 0.5 …2.5 | | |
| … with plastic collar to DIN 46228/4 | $mm^2$ | 0.5 …2.5 | | |
| Gauge to EN 60999 | mm (size) | 3.6 x 3.1 (A4) | | |
| **VDE 0110 1.89 rated data** | | | | |
| Rated cross-section to EN 60999 | $mm^2$ | 4.0 | | |
| Rated current 3) | A | 32 | | |
| **Overvoltage category / Pollution severity** | | **III/3** | **III/2** | **II/2** |
| Rated voltage | V | 630 | 1000 | 1000 |
| Impulse voltage | kV | 8.0 | 8.0 | 6.0 |
| **UL rated data** | | | | |
| Rated voltage, industrial | V~ | 300 | | |
| Rated current | A | 30 | | |
| AWG conductor (field wiring) | | 26 …10 | | |
| **CSA rated data** | | | | |
| Rated voltage, industrial | V~ | 300 | | |
| Rated current | A | 10 | | |
| AWG conductor (field wiring) | | 26 …10 | | |




LL 9.5/90/24 poles with
Conductor H07V-K4.0 $mm^2$




LL 9.5/90/24 poles with
Conductor H07V-K4.0 $mm^2$

**Application notes**

1) additional colours on request
3) referred to 20°C ambient temperature, rated cross-section and number of poles

Ordering data: page 33

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

| Materials | | TOP 4GS/6.35 | | | TOP 4GS/7.62 | | |
|---|---|---|---|---|---|---|---|
| Insulation material | | PA 66 | | | PA 66 | | |
| Colour 1) | | orange, black | | | orange, black | | |
| Temperature range | °C | -20… +100 | | | -20… +100 | | |
| Flammability class. | UL94 | V-2 | | | V-2 | | |
| Contact base material | | CuSn | | | CuSn | | |
| Contact plating | | tin-plated | | | tin-plated | | |
| **System characteristic values** | | | | | | | |
| Pitch | mm | 6.35 | | | 7.62 | | |
| Connection method | | TOP connection | | | TOP connection | | |
| Solder pin length | mm | 3.5 | | | 3.5 | | |
| PCB hole diamter | Ømm | $1.3^{+0.1}$ | | | $1.3^{+0.1}$ | | |
| Insulation stripping length | mm | 13.0 | | | 13.0 | | |
| Clamping screw | M | 3 | | | 3 | | |
| Insulation resistance | MΩ | ≥ $10^3$ | | | ≥ $10^3$ | | |
| Through resistance | mΩ | ≤ 1.4 | | | ≤ 1.4 | | |
| Torque | Nm | 0.5 …0.6 | | | 0.5 …0.6 | | |
| **Conductor size** | | | | | | | |
| Clamping range | $mm^2$ | 0.13… 6.0 | | | 0.13… 6.0 | | |
| "e" solid H05(07) V-U | $mm^2$ | 0.5… 6.0 | | | 0.5… 6.0 | | |
| "f" flexible H05(07) V-K | $mm^2$ | 0.5… 4.0 | | | 0.5… 4.0 | | |
| "f" with ferrule to DIN 46228/1 | $mm^2$ | 0.5… 4.0 | | | 0.5… 4.0 | | |
| … with plastic collar to DIN 46228/4 | $mm^2$ | 0.5… 4.0 | | | 0.5… 4.0 | | |
| Gauge to EN 60999 | mm (size) | 2.8 x 2.4 (A3) | | | 2.8 x 2.4 (A3) | | |
| **VDE 0110 1.89 rated data** | | | | | | | |
| Rated cross-section to EN 60999 | $mm^2$ | 6.0 | | | 6.0 | | |
| Rated current 3) | A | 36 | | | 36 | | |
| **Overvoltage category / Pollution severity** | | **III/3** | **III/2** | **II/2** | **III/3** | **III/2** | **II/2** |
| Rated voltage | V | 320 | 320 | 630 | 500 | 630 | 1000 |
| Impulse voltage | kV | 4.0 | 4.0 | 4.0 | 6.0 | 6.0 | 6.0 |
| **UL rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 300 | | | 300 | | |
| Rated current | A | 30 | | | 30 | | |
| AWG conductor (field wiring) | | 22… 10 | | | 22… 10 | | |
| **CSA rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 300 | | | 300 | | |
| Rated current | A | 30 | | | 30 | | |
| AWG conductor (field wiring) | | 22… 10 | | | 22… 10 | | |

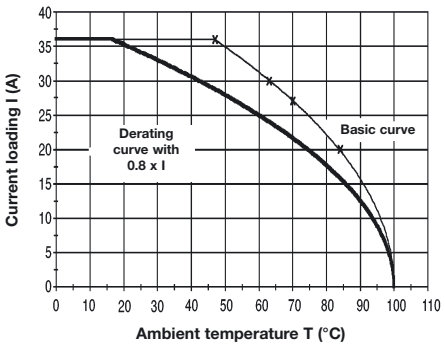
**Application notes**

1) additional colours on request

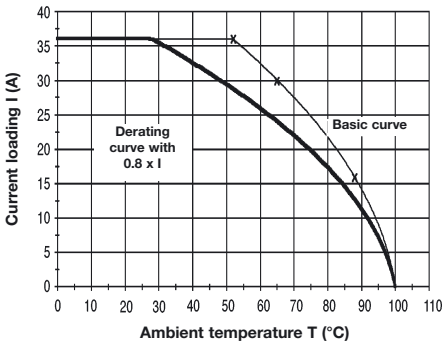
3) referred to 20°C ambient temperature, rated cross-section and number of poles

Ordering data: page 33

Ordering data: page 34




TOP4GS/6/6.35 with
Conductor H07V-K4.0 $mm^2$




TOP4GS/6/7.62 with
Conductor H07V-K4.0 $mm^2$

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

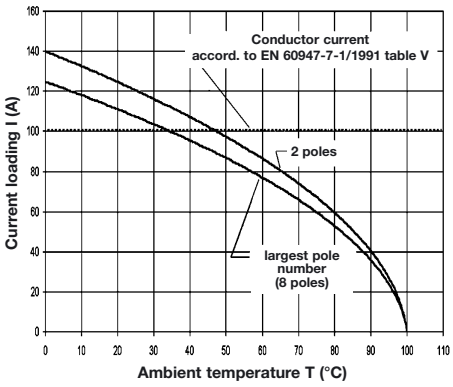
Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

| Materials | | GSE 10 | LU 10.16/4 pins per pole | LU 10.16/2 pins per pole |
|---|---|---|---|---|
| Insulation material | | PA 66 | PA 66/6 (Wemid) | PA 66/6 (Wemid) |
| Colour 1) | | grey | grey | grey |
| Temperature range | °C | -20… +100 | -20… +120 | -20… +120 |
| Flammability class. | UL94 | V-2 | V-0 | V-0 |
| Contact base material | | E-Cu | E-Cu | E-Cu |
| Contact plating | | tin-plated | tin-plated | tin-plated |
| **System characteristic values** | | | | |
| Pitch | mm | 10.16 | 10.16 | 10.16 |
| Connection method | | screw clamp connection | screw clamp connection | screw clamp connection |
| Solder pin length | mm | 4.5 | 3.2/4.5 | 3.2/4.5 |
| PCB hole diamter | Ømm | $1.6^{+0.1}$ | $1.6^{+0.1}$ | $1.6^{+0.1}$ |
| Insulation stripping length | mm | 10.0 | 12.0 | 12.0 |
| Clamping screw | M | 4 | 4 | 4 |
| Insulation resistance | MΩ | ≥ $10^3$ | ≥ $10^3$ | ≥ $10^3$ |
| Through resistance | mΩ | ≤ 0.2 | ≤ 0.5 | ≤ 0.5 |
| Torque | Nm | 1.2… 1.5 | 1.2… 1.5 | 1.2… 1.5 |
| **Conductor size** | | | | |
| Clamping range | $mm^2$ | 0.33… 10.0 | 0.33… 16.0 | 0.33… 16.0 |
| "e" solid H05(07) V-U | $mm^2$ | 0.5… 10.0 | 0.5… 10.0 | 0.5… 10.0 |
| multi-wire H07 V-R | $mm^2$ | 6.0… 10.0 | 6.0… 16.0 | 6.0… 16.0 |
| "f" flexible H05(07) V-K | $mm^2$ | 0.5… 10.0 | 0.5… 16.0 | 0.5… 16.0 |
| "f" with ferrule to DIN 46228/1 | $mm^2$ | 0.75… 4.0 | 2.5… 10.0 | 2.5… 10.0 |
| … with plastic collar to DIN 46228/4 | $mm^2$ | 0.75… 4.0 | 2.5… 10.0 | 2.5… 10.0 |
| Gauge to EN 60999 | mm (size) | 4.3 x 4.0 (A5) | Ø 5.3 (B6) | Ø 5.3 (B6) |
| **VDE 0110 1.89 rated data** | | | | |
| Rated cross-section to EN 60999 | $mm^2$ | 10.0 | 16.0 | 16.0 |
| Rated current 3) | A | 59 | 57 | 57 |
| **Overvoltage category / Pollution severity** | | **III/3 III/2 II/2** | **III/3 III/2 II/2** | **III/3 III/2 II/2** |
| Rated voltage | V | 400 690 1000 | 250 250 500 | 630 800 1000 |
| Impulse voltage | kV | 6.0 6.0 6.0 | 4.0 4.0 4.0 | 8.0 8.0 6.0 |
| **UL rated data** | | | | |
| Rated voltage, industrial | V~ | 300 | 300 | 300 |
| Rated current | A | 40 | 65 | 65 |
| AWG conductor (field wiring) | | 22… 8 | 22… 6 | 22… 6 |
| **CSA rated data** | | | | |
| Rated voltage, industrial | V~ | 300 | 300 | 300 |
| Rated current | A | 40 | 65 | 60 |
| AWG conductor (field wiring) | | 22… 8 | 22… 6 | 22… 6 |
| **Application notes** | | | | |
| 1) additional colours on request | | Ordering data: page 35 | Ordering data: page 35 | Ordering data: page 35 |
| 3) referred to 20°C ambient temperature, rated cross-section and number of poles | | | | |

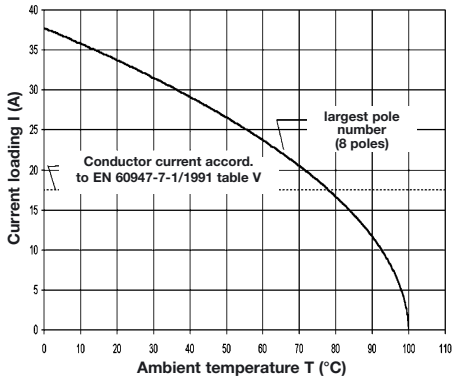
For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

| Materials | | LX 15.00 | | |
|---|---|---|---|---|
| Insulation material | | PA 66/6 (Wemid) | | |
| Colour 1) | | grey | | |
| Temperature range | °C | -25… +120 | | |
| Flammability class. | UL94 | V-0 | | |
| Glow-wire test | °C/sec. | 850 / 30 | | |
| Contact base material | | E-Cu | | |
| Contact plating | | tin-plated | | |
| **System characteristic values** | | | | |
| Pitch | mm | 15.00 | | |
| Connection method | | screw clamp connection | | |
| Solder pin length | mm | 4.5 | | |
| PCB hole diamter | Ømm | $1.6^{+0.1}$ | | |
| Insulation stripping length | mm | 16.0 | | |
| Clamping screw | M | 5 | | |
| Insulation resistance | MΩ | ≥ $10^2$ | | |
| Through resistance | mΩ | ≤ 0.3 | | |
| Torque | Nm | 2.0… 4.0 | | |
| **Conductor size** | | | | |
| Clamping range | mm² | 1.30… 25.0 | | |
| "e" solid H05(07) V-U | mm² | 1.5… 10.0 | | |
| multi-wire H07 V-R | mm² | 6.0… 25.0 | | |
| "f" flexible H05(07) V-K | mm² | 1.5… 25.0 | | |
| "f" with ferrule to DIN 46228/1 | mm² | 1.5… 16.0 | | |
| … with plastic collar to DIN 46228/4 | mm² | 1.5… 16.0 | | |
| Gauge to EN 60999 | mm (size) | Ø 6.9 | | |
| **VDE 0110 1.89 rated data** | | | | |
| Rated cross-section to EN 60999 | mm² | 25.0 | | |
| Rated current 3) | A | 101 | | |
| **Overvoltage category / Pollution severity** | | **III/3** | **III/2** | **II/2** |
| Rated voltage | V | 800 | 1000 | 1000 |
| Impulse voltage | kV | 8.0 | 8.0 | 6.0 |
| Test voltage | kV~ | 5.0 | | |
| **UL rated data** | | | | |
| Rated voltage, industrial | V~ | 600 | | |
| Rated current | A | 85 | | |
| AWG conductor (field wiring) | | 16… 4 | | |
| **CSA rated data** | | | | |
| Rated voltage, industrial | V~ | 600 | | |
| Rated current | A | 85 | | |
| AWG conductor (field wiring) | | 16… 4 | | |




LX 15.00 / 2 and 8 poles
Conductor H07V-K25.0




LX 15.00/8 poles
Conductor H07V-K1.5

**Application notes**

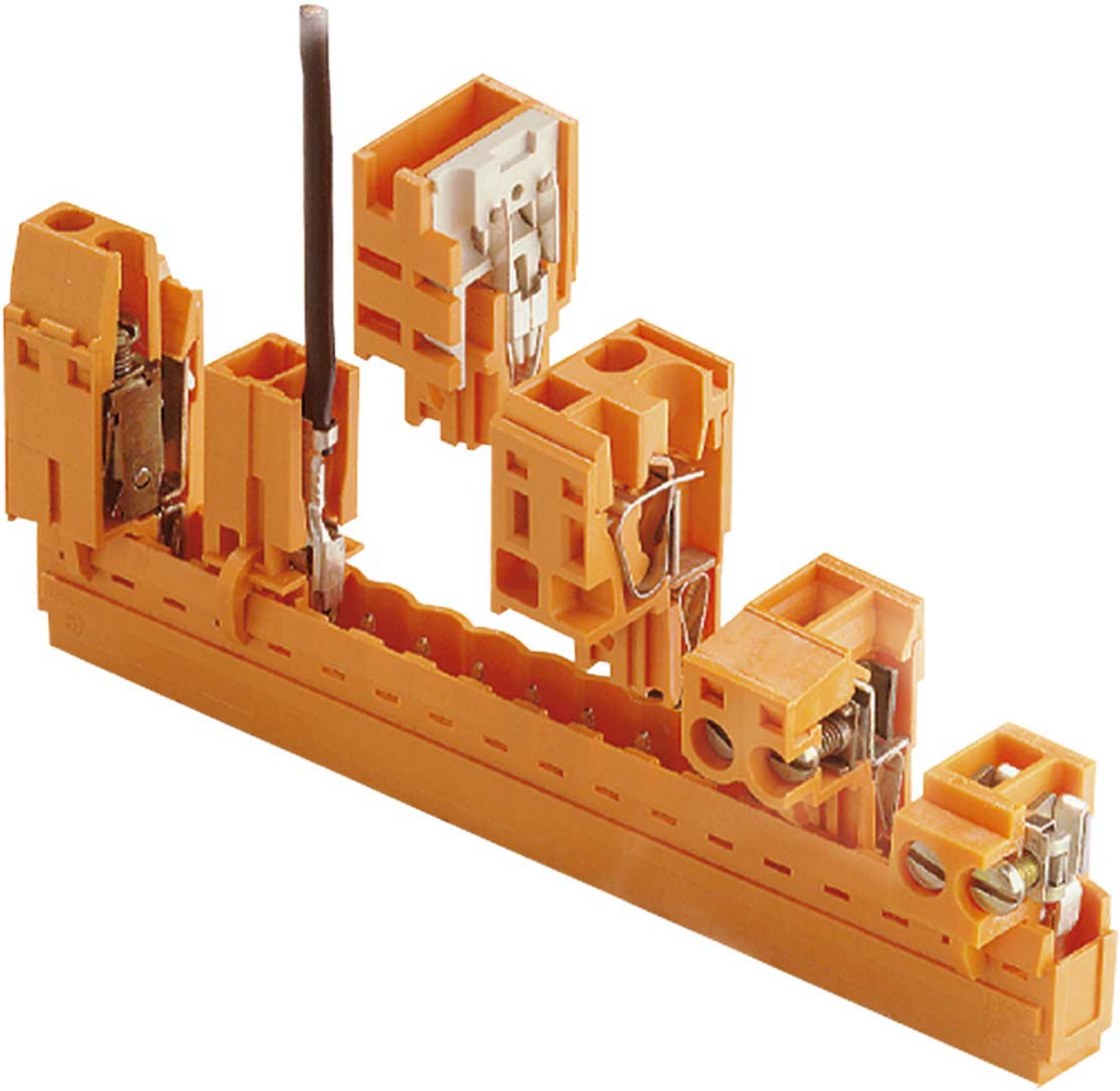
1) additional colours on request

3) referred to 20°C ambient temperature, rated cross-section and number of poles

Ordering data: page 36

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.



## Printed Circuit Board Connectors

Within the extensive Weidmueller selection, you will always find **the right connector system for your printed circuit board application**. High quality, compliance with all common standards and approval regulations, and a test of each individual component are standard features of all our connector systems.

Many of our printed circuit board connectors are specialists. To help you to keep track of the variety, we have arranged our pin headers and socket blocks by their features. Weidmueller offers **five different product families**:

- **Minimate Range - S2L/B2L 3.5:**
  - double connection density in 3.50 mm pitch
- **Omnimate Range - 3.5/5/7 Series:**
  - free choice of the connecting technique
- **Unimate Range - SLA/BLA:**
  - the unique connector face with the secure protection against incorrect insertion
- **Powermate Range - STV S/STW S:**
  - specialists for higher currents
- **Crimpmate Range - RSV 1.6:**
  - vibration resistant

On the pages X-XI you can see all the features of our PCB connectors as **symbols**. These symbols will accompany you through the entire catalogue.

The **product selection matrix** on the pages 68-69 shows you at a glance the family the required connector belongs to, and on which page you can find it. The five product families will again be presented at the beginning of the related chapters in the catalogue.

If you are not yet familiar with the functionality of our printed circuit board connector systems, you will find an explanation of the major points on the pages 70 and 71: lateral termination, orientation, connecting techniques, etc.

Supplementary to the five product families are our product solutions for additional applications:

- Rail-mounted
- Through-panel
- Socket adaptors
- Through-Hole-Reflow (THR):
  - Minimate Range - S2L-SMT 3.5
  - Omnimate Range SL-SMT in 3.50, 5.00 and 5.08 mm pitch.

Furthermore, the rear part of the catalogue contains a comprehensive range of accessories, detailed technical specifications, mated dimensional drawings, and the complete index sorted by type references and catalogue numbers.

For detailed information feel free to visit our Internet Website **http://www.weidmueller.com** or contact one of the Weidmueller group companies or branch offices, which you will find on the last pages of the catalogue.

# Where is what I'm looking for ?

The page numbers in the selection matrix help you to quickly find the optimum connector solution of your printed circuit board problem. From top to bottom, the structure of the table corresponds to the installation process – this means all the way from the design-in of the printed circuit board to the field wiring.

### 1. Selecting the product family

Based on the design requirements of your application (**rated current**, **rated cross-section**, **rated voltage** and **pitch**), decide on one of our five product families:

- **S2L/B2L** – Minimate Range
- **3.5/5/7** – Omnimate Range
- **SLA/BLA** – Unimate Range
- **STV S/STW S** – Powermate Range
- **RSV 1.6** – Crimpmate Range

You have the choice between six different **pitch** variants:

- 3.50 mm (metric),
- 5.00 mm (metric),
- 5.08 mm (0.2 inch, imperial),
- 7.00 and 7.50 mm (metric),
- 7.62 mm (0.3 inch, imperial)

### 2. Selecting the printed circuit board element

First of all, choose the solderable pcb element of the product family you have selected. In most cases, pin headers are designed-in. Sometimes, if finger-safety is required on the module, we recommend socket headers, which we call BLL.

You now have the choice between **single-row**, **multiple-row** or **double-level** variants, and also between different **orientations** of the component on the pcb.

### 3. Selecting the plug-in connector element

After choosing the pcb element, you now select a component that is employed as a plug-in connector element. Usually, this component is a socket block, sometimes it is a pin plug (i.e. SLS, SLT, SLZF). Ensure that you select the correct conductor orientation angle, and the correct connection technique of the conductors to the component.

### 4. Selecting the accessories

Finally, you find the matching accessories for the selected connector solution – for fixing, marking, coding and other requirements.

| 1. PRODUCT FAMILY | | Rated Voltage * / Rated Current / Conductor Cross-Section | Pitch (mm) | Fixing |
|---|---|---|---|---|
| **2. PRINTED CIRCUIT BOARD ELEMENT** | | | | |
| **Pin headers** | | Angle to the PCB | | |
| | **single-row** | 90° | | |
| | | 110° | | |
| | | 135° | | |
| | | 180° | | |
| | **multiple-rows** | 90° | | |
| | | 180° | | |
| | **double-level** | 90° | | |
| | | 180° | | |
| **Socket headers** | **single-row** | 90° | | |
| (solder version) | | 180° | | |
| | **multiple-rows** | 180° | | |
| **SL-SMT pin headers** | **single-row** | 90° | | |
| | | 180° | | |
| | **multiple-rows** | 90° | | |
| | | 180° | | |
| **3. PLUG-IN CONNECTOR ELEMENT** | | | | |
| **Socket blocks** (lead conn.) | **single-row** | | | |
| | **Connection angle** | **Connection method** | | |
| | 180° | Leaf spring | | |
| | 180° | Clamping yoke (screw) | | |
| | 180° | TOP | | |
| | 180° | Tension clamp | | |
| | 180° (90°) | IDC | | |
| | 180° | Crimp | | |
| | 90° | Clamping yoke (screw) | | |
| | 90° | Tension clamp | | |
| | 225° | Clamping yoke (screw) | | |
| | 270° | Clamping yoke (screw) | | |
| | 270° | Tension clamp | | |
| | 90°/270° | Twin-clamping yoke | | |
| | **multiple-rows** | | | |
| | 180° | Tension clamp | | |
| | 180° | Crimp | | |
| **Pin plugs** | **single-row** | | | |
| | 180° | Leaf spring | | |
| | 180° | Clamping yoke (screw) | | |
| | 180° | TOP | | |
| | 180° | Tension clamp | | |
| | 90° | Tension clamp | | |
| | 270° | Tension clamp | | |
| | **multiple-rows** | | | |
| | 180° | Crimp | | |
| **4. ACCESSORIES** | | | | |
| | **Fixing** | | | |
| | **Marking** | | | |
| | **Coding** | | | |
| | **Miscellaneous** | | | |

| Minimate Range | | Omnimate Range | | | | | | | | | | Unimate Range | | Powermate Range | Crimpmate Range | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S2L/B2L 3.5 | | 3.50 mm pitch | | 5.00/5.08 mm pitch | | | | 7.50/7.62 mm pitch | | | | SLA / BLA | | STV S/STW S | RSV 1.6 | |
| • 100V<br>• 8.3A<br>• 1 mm² | | • 160V<br>• 8-12A<br>• 1.5 mm² | | • 250V<br>• 8-14A<br>• 2.5 mm² | | | | • 500V<br>• 13-16A<br>• 2.5 mm² | | | | • 250V<br>• 8-14A<br>• 1.5 mm² | | • 500V<br>• 8-32A<br>• 4 mm² | • 250V<br>• 10-13A<br>• 2.5 mm² | |
| 3.50 mm | | 3.50 mm | | 5.00 mm | | 5.08 mm | | 7.50 mm | | 7.62 mm | | 5.08 mm | | 7.00 mm | 5.00 mm | |
| yes | no | yes | no | yes | no | yes | no | yes | no | yes | no | yes | no | yes | yes | no |
| | | | | | | | | | | | | | | | | |
| | | p. 84 | p. 84 | p. 110 | p. 110 | p. 122 | p. 122 | p. 144 | p. 144 | p. 149 | p. 149 | p. 156 | p. 156 | p. 164 | | |
| | | p. 85 | | | | | | | | | | | | | | |
| | | p. 85 | | p. 111 | p. 110 | p. 123 | p. 122 | | | | | | | | | |
| | | p. 86 | p. 86 | p. 111 | p. 111 | p. 123 | p. 123 | p. 145 | p. 145 | p. 150 | p. 150 | p. 157 | p. 156 | p. 164 | | |
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| | | | | | | | | | | | | | | | p.170 | p. 170 |
| | | p. 87/88 | p. 87/88 | | p. 112 | p. 124 | p. 124/125 | | | | | p. 158 | p. 157 | | | |
| | | p. 89 | p. 89 | | p. 112 | p. 124 | p. 125 | | | | | p. 158 | p. 158 | | | |
| | | | | | | p. 126 | p. 126 | | | | | | | p. 164 | | |
| | | | | | | p. 127 | p. 126 | | | | | | | p. 165 | | |
| | | | | | | | | | | | | | | | p. 171 | p. 170 |
| | | p. 81 | p. 80 | p. 106 | p.104/105 | p. 118 | p.116/117 | | | | | | | | | |
| | | p. 83 | p. 82 | p. 109 | p.107/108 | p. 121 | p.119/120 | | | | | | | | | |
| p. 74 | p. 74 | | | | | | | | | | | | | | | |
| p. 75 | p. 75 | | | | | | | | | | | | | | | |
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| | | | | | p. 113 | | p. 128 | | | | | | | p. 166/167 | | |
| | | p. 90/91 | p. 90/91 | p. 113 | p. 113 | p. 129 | p. 128 | p. 146 | p. 146 | p. 151 | p. 151 | p. 159 | p. 159 | | | |
| | | | | | | p. 129 | p. 129 | | | | | p. 160 | p. 159 | p. 166 | | |
| | | p. 92 | p. 92 | | p. 114 | p. 130 | p. 130 | | p. 146 | | p. 151 | | | | | |
| | | p. 93/94 | p. 93 | | | p. 131 | p. 131 | | | | | | | | | |
| | | | | | | p. 132 | p. 132 | | | | | p. 160/161 | p. 160/161 | | | |
| | | p. 95 | p. 95 | p. 114 | p. 114 | p. 133 | p. 133 | p. 147 | p. 147 | p. 152 | p. 152 | | | | | |
| | | | | | | p. 134 | p. 133 | | | | | | | | | |
| | | | | | | p. 134 | p. 134 | | | | | | | | | |
| | | p. 96 | p. 95 | p. 115 | p. 115 | p. 135 | p. 135 | p. 148 | p. 147 | p. 153 | p. 152 | | | | | |
| | | | | | | p. 136 | p. 135 | | | | | | | | | |
| | | | | | | p. 136 | p. 136 | | | | | | | | | |
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| p. 76 | p. 76 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | p. 171 |
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| | | | | | | | | | | | | | | p. 166/167 | | |
| | | | | | | p. 137 | p. 137 | | | | | | | | | |
| | | | | | | p. 138 | p. 138 | | | | | | | p. 167 | | |
| | | | | | | p. 139 | p. 138 | | | | p. 153 | | | | | |
| | | | | | | p. 139 | p. 139 | | | | | | | | | |
| | | | | | | p. 140 | p. 140 | | | | | | | | | |
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| | | | | | | | | | | | | | | | | p. 171 |
| | | | | | | | | | | | | | | | | |
| p. 194 | – | p. 194/195 | p. 195 | p. 193 | – | p. 193/194 | – | p. 193 | – | p. 193 | – | p. 193/194 | – | p. 195 | – | – |
| p. 196 | p. 196 | p. 196 | p. 196 | p. 196 | p. 196 | p. 196 | p. 196 | p. 196 | p. 196 | p. 196 | p. 196 | p. 196 | S. 196 | p. 197 | – | – |
| p. 199 | p. 199 | p. 199 | p. 199 | p. 198/199 | p. 198/199 | p. 198/199 | p. 198/199 | p. 199 | S. 199 | p. 199 | p. 199 | p. 198/199 | p. 198/199 | p. 199 | p. 198 | p. 198 |
| p. 200-207 | p. 200-207 | p. 201-208 | p. 201-208 | p. 201-208 | p. 201-208 | p. 201-208 | p. 201-208 | p. 202-208 | p. 202-208 | p. 202-208 | p. 202-208 | p. 202-207 | p. 202-207 | p. 203-207 | p. 203-207 | p. 203-207 |

* according to VDE standard 0110 1.89; for technical data according to UL/CSA see product pages

# How do the printed circuit board connector systems work ?

The Weidmueller printed circuit board connector systems consist of two components: One printed circuit board element and one pluggable connection element. Within the design-in process of the printed circuit board you select a pin header or a socket header that is soldered onto the printed circuit board. In the field the conductors are connected to a socket block or to a pin plug.

This module is then plugged into the pin header or socket header on the printed circuit board – and the secure contact is established.

The following methods of function and/or product features are important when you select the optimum components for your printed circuit board application:

Printed circuit board element

**Installation on the PCB**

Through-Hole-Technology (THT)
The current industry standard method is solder pin for Manual or Wave soldering.

Through-Hole-Reflow (THR)
Combining the mechanical strength of the standard solder pin Through-Hole-Technology type (THT), and the automated assembly possibilities and high temperature resistance required for Surface-Mount-Technology (SMT) components.

The short solder pins enable assembly of SMT components on both sides of the printed circuit board.


**Lateral termination**

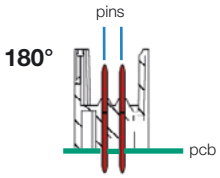
**Pin headers with closed ends** ensure that the socket block cannot be misaligned when it is inserted. B versions can be used for fixing pin headers or socket blocks to the pcb.

Several pin headers must be installed side by side if more than 24 connections are required. **Pin headers with open ends** permit such an extension to be made without losing poles or altering the pitch.

The models with **lateral flanges** and the **B versions** with additional mounting blocks can be screwed onto the pcb in order to establish a vibration-proof connection between the modules and the printed circuit board.

**Multi-row design**

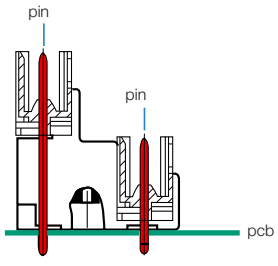
Compared with the single-row standard pin headers and socket blocks, our multi-row elements significantly increase the connection density: The pins of the pin headers are arranged side by side in two or more rows. They are inserted into the matching multi-row socket blocks.



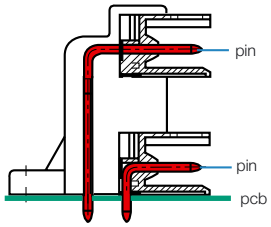

**Double-level design**

**Double-level pin headers** permit the socket connectors to be arranged closer together, thus increasing the connection density. We offer three different variants for various design requirements:

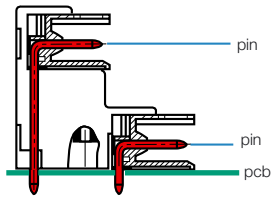
The 180-degree angle to the pcb makes **double-level variant with staggered levels** ideal for cables that come from the side.




For the connection of socket blocks that are parallel to the PCB, and are arranged vertically on top of each other, the **parallel double-level 90°** header can be used.

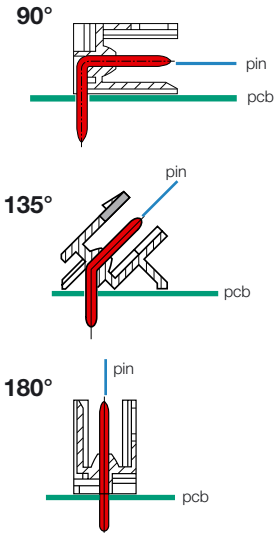



For the connection of socket blocks in parallel to the PCB, and with a recessed top level, the **staggered double-level 90°** header allows access to the screws of bothe connector levels.




**Angle to the printed circuit board**

Choose the orientation of the pin header or socket header according to your design requirements: **90°**, **110°**, **135°** or **180°**.



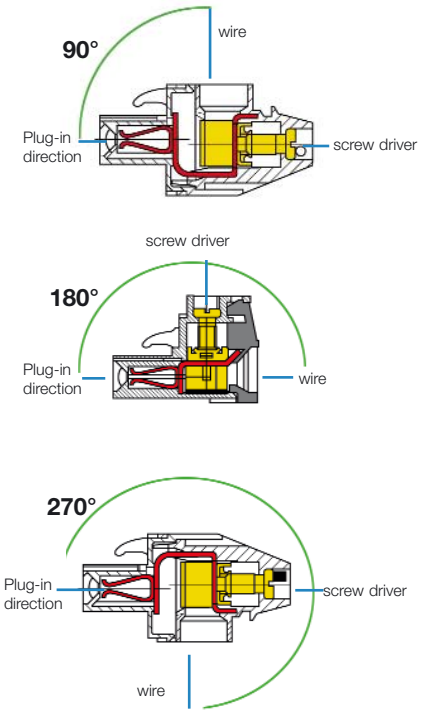
Plug-in connector element

### Connection security

Locking elements hold the socket blocks securely to the pin header, even under heavy mechanical stress. The lateral termination decides on the type of locking element: The flange versions (F) of the pin headers and socket blocks can directly be screwed together. Separate locking elements (for the standard versions) and mounting blocks (for the B versions with dovetail fixture) are available as accessories for pin headers and socket blocks without flange.

### Conductor termination angles

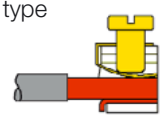
The selection of the conductor angle depends on the orientation of the module with respect to the pcb and on the application space that is available:
The conductor enters the component either at right angles to the insertion direction (conductor connecting angle **90°** or **270°**), or in parallel to the insertion direction (conductor connecting angle **180°**), or at an angle of **225°**.



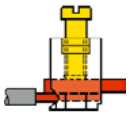

### Connecting technique

To connect the conductor to the socket block or the pin plug in the field, Weidmueller offers a choice of up to six different techniques, each featuring specific benefits:

The **leaf spring** connection is the simplest screw type connection.

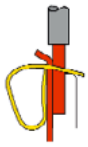


The **clamping yoke** connection is a screw type connection at its best: large contact surface, high clamping force, easy to use, and completely maintenance-free.



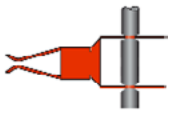
The conductor and clamping screw of the **TOP** connection are parallel to each other. The connection guarantees a high contact force and a gas-tight connection.

Wherever time is short, the **tension clamp** connection is the best choice. It is rapidly wired up, easy to use and maintenance-free.

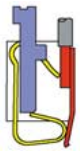


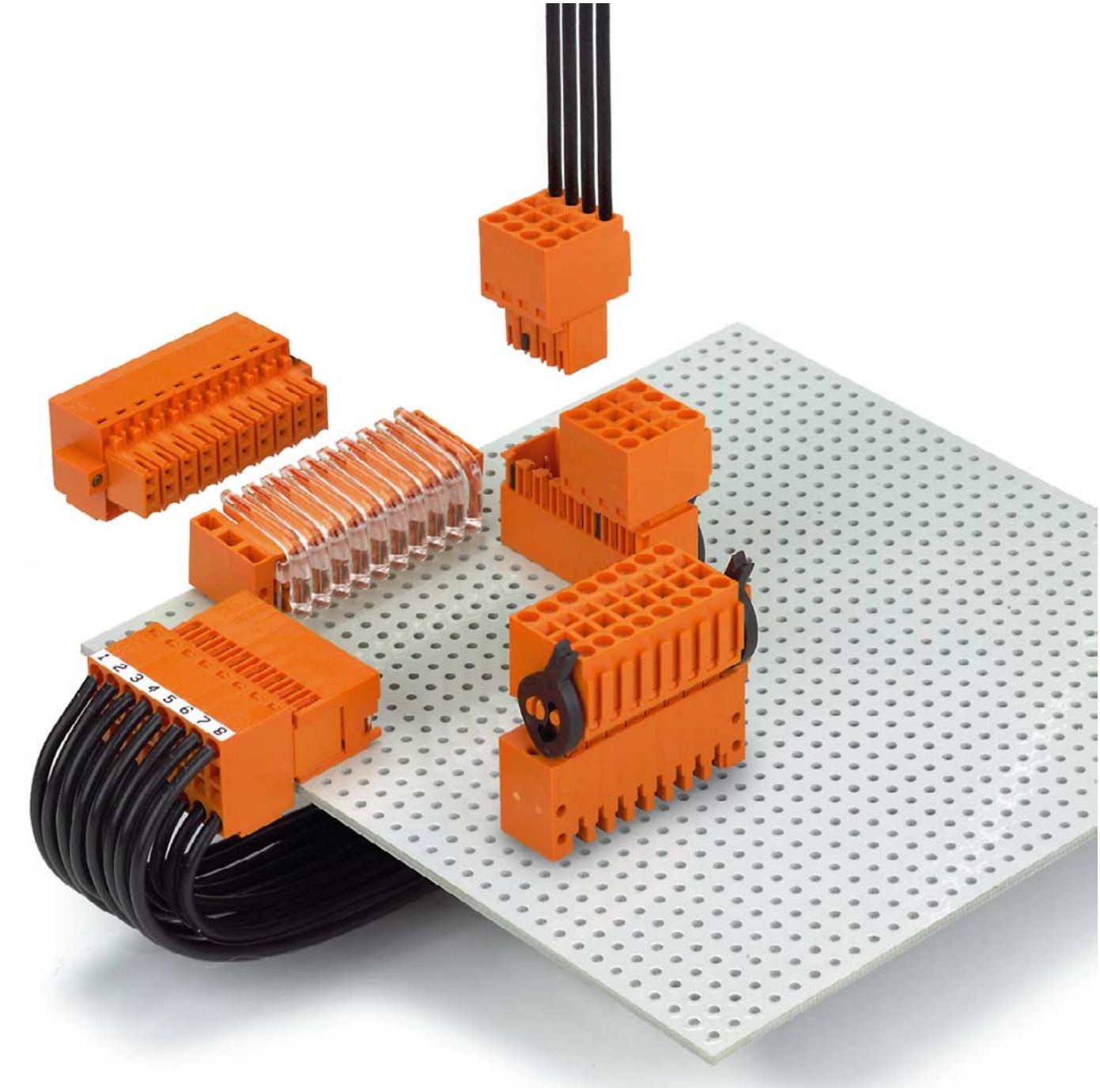
For the **crimp** connection, the conductor is first attached permanently to a crimp contact which is then inserted into the socket block housing.

The **IDC** connection features a cutting blade that displaces the conductor insulation and establishes the contact – without any special tools.



The **Spring** connection guarantees very easy operation: solid, ferruled, and even flexible conductors without ferrules can be connected without a tool and disconnected very easily at the touch of a botton.




1 2 3 4 5 6 7 8

## Minimate Range - S2L/B2L 3.5

Twice as many connections as any other printed circuit board connector in the 3.50 mm pitch – that's what the compact S2L/B2L pin headers and socket blocks provide with almost the same dimensions. This significantly enhances the potential in the design of input and output channels via front panels of plug-in modules.

Since conductors with cable sizes of up to 1 $mm^2$ can be connected, the Minimate Range is a positive alternative to 2.5/2.54 mm pitch connectors. In particular because it uses up to 10% less space on the PCB.

At the same time, due to its tension clamp design, the B2L offers very simple operation and faster installation than products in 2.5/2.54 mm pitch. This is ideal for applications in industrial controllers, in telecommunications, in general-purpose switchgear cabinets, in industry PCs, etc..

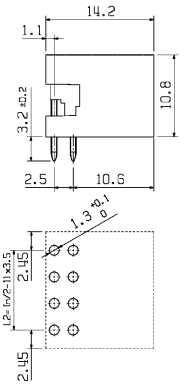
**Product features overview:**

- double connection density in the 3.50 mm pitch
- requires up to 10% less space on the printed circuit board and over 30% less space on the front panel than the 2.5 mm pitch
- rated cross-sections up to 1 $mm^2$
- rapid installation with tension clamp technique
- end-to-end stacking without loss of pitch
- **gold** version for very small signals available as standard

# Minimate Range- S2L/B2L 3.5

## Pin headers S2L-SMT 3.5/90G

new




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 100* | 50 | 50 |
| **Rated current** | A | 8,3 | 5 | 5 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 210

**Solder pin length** 3.2 mm

**Colour**

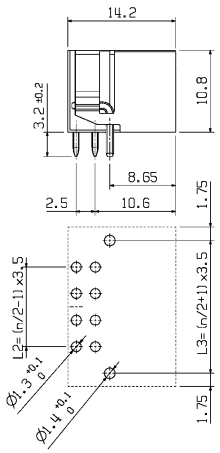
| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 6 | S2L-SMT 3.5/6/90G | **1794210000** | 50 |
| 8 | S2L-SMT 3.5/8/90G | **1794220000** | 50 |
| 10 | S2L-SMT 3.5/10/90G | **1794230000** | 50 |
| 12 | S2L-SMT 3.5/12/90G | **1794240000** | 50 |
| 14 | S2L-SMT 3.5/14/90G | **1794250000** | 50 |
| 16 | S2L-SMT 3.5/16/90G | **1794260000** | 50 |
| 18 | S2L-SMT 3.5/18/90G | **1794270000** | 20 |
| 20 | S2L-SMT 3.5/20/90G | **1794280000** | 20 |
| 22 | S2L-SMT 3.5/22/90G | **1794290000** | 20 |
| 24 | S2L-SMT 3.5/24/90G | **1794300000** | 20 |
| 26 | S2L-SMT 3.5/26/90G | **1794310000** | 20 |
| 28 | S2L-SMT 3.5/28/90G | **1794320000** | 20 |
| 30 | S2L-SMT 3.5/30/90G | **1794330000** | 20 |
| 32 | S2L-SMT 3.5/32/90G | **1794340000** | 20 |
| 34 | S2L-SMT 3.5/34/90G | **1794350000** | 20 |
| 36 | S2L-SMT 3.5/36/90G | **1794360000** | 20 |

**For detailed product and application information for SMT see chapter “Other Applications” page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 204 |

## Pin headers S2L 3.5-SMT/90LF

new




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 100* | 50 | 50 |
| **Rated current** | A | 8,3 | 5 | 5 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 210

**Solder pin length** 3.2 mm

**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 6 | S2L-SMT 3.5/6/90LF | **1794860000** | 50 |
| 8 | S2L-SMT 3.5/8/90LF | **1794870000** | 50 |
| 10 | S2L-SMT 3.5/10/90LF | **1794880000** | 50 |
| 12 | S2L-SMT 3.5/12/90LF | **1794890000** | 50 |
| 14 | S2L-SMT 3.5/14/90LF | **1794900000** | 50 |
| 16 | S2L-SMT 3.5/16/90LF | **1794910000** | 50 |
| 18 | S2L-SMT 3.5/18/90LF | **1794920000** | 20 |
| 20 | S2L-SMT 3.5/20/90LF | **1794930000** | 20 |
| 22 | S2L-SMT 3.5/22/90LF | **1794940000** | 20 |
| 24 | S2L-SMT 3.5/24/90LF | **1794950000** | 20 |
| 26 | S2L-SMT 3.5/26/90LF | **1794960000** | 20 |
| 28 | S2L-SMT 3.5/28/90LF | **1794970000** | 20 |
| 30 | S2L-SMT 3.5/30/90LF | **1794980000** | 20 |
| 32 | S2L-SMT 3.5/32/90LF | **1794990000** | 20 |
| 34 | S2L-SMT 3.5/34/90LF | **1795000000** | 20 |
| 36 | S2L-SMT 3.5/36/90LF | **1795010000** | 20 |

**For detailed product and application information for SMT see chapter “Other Applications” page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 204 |

## Tape-on-Reel Packaging

new

| Technical Data |
|---|
| Tape width 56mm |

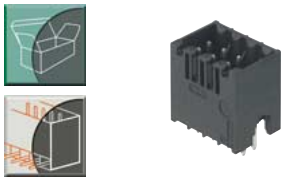
**Product variant** …90G Standard …90LF Solder flange

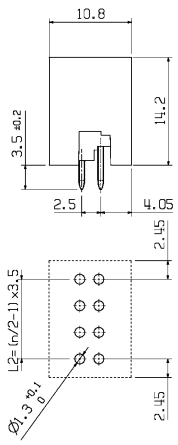
| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 6 | S2L-SMT 3.5/6/90… | **1807470000** | **1807560000** | 200 |
| 8 | S2L-SMT 3.5/8/90… | **1807480000** | **1807570000** | 200 |
| 10 | S2L-SMT 3.5/10/90… | **1807490000** | **1807580000** | 200 |
| 12 | S2L-SMT 3.5/12/90… | **1807500000** | **1807590000** | 200 |
| 14 | S2L-SMT 3.5/14/90… | **1807510000** | **1807600000** | 200 |
| 16 | S2L-SMT 3.5/16/90… | **1807520000** | **1807610000** | 200 |
| 18 | S2L-SMT 3.5/18/90… | **1807530000** | **1807620000** | 200 |
| 20 | S2L-SMT 3.5/20/90… | **1807540000** | **1807630000** | 200 |
| 22 | S2L-SMT 3.5/22/90… | **1807550000** | **–** | 200 |
| 24 | S2L-SMT 3.5/24/90… | **1802190000** | **–** | 200 |

**For detailed product and application information for SMT see chapter “Other Applications” page 180-188.**


## Pin headers S2L-SMT 3.5/180G

new






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 80* | 50 | 50 |
| **Rated current** | A | 8.3 | 5 | 5 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 210

**Solder pin length** **3.5 mm**

**Colour**

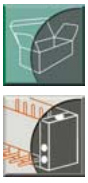
| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 6 | S2L-SMT 3.5/6/180G | **1794530000** | 50 |
| 8 | S2L-SMT 3.5/8/180G | **1794540000** | 50 |
| 10 | S2L-SMT 3.5/10/180G | **1794550000** | 50 |
| 12 | S2L-SMT 3.5/12/180G | **1794560000** | 50 |
| 14 | S2L-SMT 3.5/14/180G | **1794570000** | 50 |
| 16 | S2L-SMT 3.5/16/180G | **1794580000** | 50 |
| 18 | S2L-SMT 3.5/18/180G | **1794590000** | 20 |
| 20 | S2L-SMT 3.5/20/180G | **1794600000** | 20 |
| 22 | S2L-SMT 3.5/22/180G | **1794610000** | 20 |
| 24 | S2L-SMT 3.5/24/180G | **1794620000** | 20 |
| 26 | S2L-SMT 3.5/26/180G | **1794630000** | 20 |
| 28 | S2L-SMT 3.5/28/180G | **1794640000** | 20 |
| 30 | S2L-SMT 3.5/30/180G | **1794650000** | 20 |
| 32 | S2L-SMT 3.5/32/180G | **1794660000** | 20 |
| 34 | S2L-SMT 3.5/34/180G | **1794670000** | 20 |
| 36 | S2L-SMT 3.5/36/180G | **1794680000** | 20 |

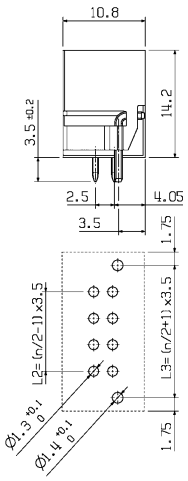
**For detailed product and application information for SMT see chapter “Other Applications” page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 204 |

## Pin headers S2L-SMT 3.5/180LF

new






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 80* | 50 | 50 |
| **Rated current** | A | 8.3 | 5 | 5 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 210

**Solder pin length** **3.5 mm**

**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 6 | S2L-SMT 3.5/6/180LF | **1795200000** | 50 |
| 8 | S2L-SMT 3.5/8/180LF | **1795210000** | 50 |
| 10 | S2L-SMT 3.5/10/180LF | **1795220000** | 50 |
| 12 | S2L-SMT 3.5/12/180LF | **1795230000** | 50 |
| 14 | S2L-SMT 3.5/14/180LF | **1795240000** | 50 |
| 16 | S2L-SMT 3.5/16/180LF | **1795250000** | 50 |
| 18 | S2L-SMT 3.5/18/180LF | **1795260000** | 20 |
| 20 | S2L-SMT 3.5/20/180LF | **1795270000** | 20 |
| 22 | S2L-SMT 3.5/22/180LF | **1795280000** | 20 |
| 24 | S2L-SMT 3.5/24/180LF | **1795290000** | 20 |
| 26 | S2L-SMT 3.5/26/180LF | **1795300000** | 20 |
| 28 | S2L-SMT 3.5/28/180LF | **1795310000** | 20 |
| 30 | S2L-SMT 3.5/30/180LF | **1795320000** | 20 |
| 32 | S2L-SMT 3.5/32/180LF | **1795330000** | 20 |
| 34 | S2L-SMT 3.5/34/180LF | **1795340000** | 20 |
| 36 | S2L-SMT 3.5/36/180LF | **1795350000** | 20 |

**For detailed product and application information for SMT see chapter “Other Applications” page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 204 |

## Tape-on-Reel Packaging

new

| Technical Data |
|---|
| Tape width 56mm |

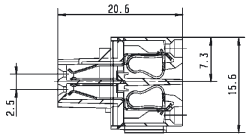
**Product variant** **...180G Standard** **...180LF Solder flange**

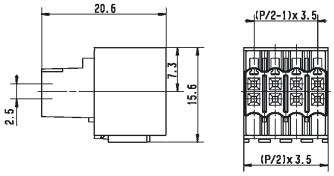
| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 6 | S2L-SMT 3.5/6/180... | **1807780000** | **1807870000** | 150 |
| 8 | S2L-SMT 3.5/8/180... | **1807790000** | **1807880000** | 150 |
| 10 | S2L-SMT 3.5/10/180... | **1807800000** | **1807890000** | 150 |
| 12 | S2L-SMT 3.5/12/180... | **1807810000** | **1807900000** | 150 |
| 14 | S2L-SMT 3.5/14/180... | **1807820000** | **1807910000** | 150 |
| 16 | S2L-SMT 3.5/16/180... | **1807830000** | **1807920000** | 150 |
| 18 | S2L-SMT 3.5/18/180... | **1807840000** | **1807930000** | 150 |
| 20 | S2L-SMT 3.5/20/180... | **1807850000** | **1807940000** | 150 |
| 22 | S2L-SMT 3.5/22/180... | **1807860000** | **–** | 150 |
| 24 | S2L-SMT 3.5/24/180... | **1802220000** | **–** | 150 |

**For detailed product and application information for SMT see chapter “Other Applications” page 180-188.**

# Minimate Range- S2L/B2L 3.5

## Socket blocks B2L 3.5




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated Voltage** | V | 100* | 50 | 50 |
| **Rated current** | A | 8.3 | 5 | 5 |
| **Clamping range max.** | mm²/AWG | 1.0 | 18 | 18 |

*Overvoltage category III / Pollution severity 3

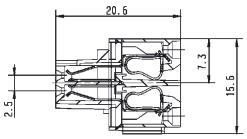
Additional technical data see page 210

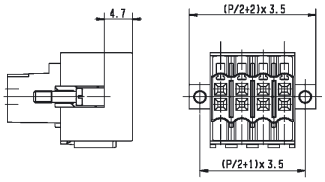
**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 6 | B2L 3.5/6 | **1727640000** | 50 |
| 8 | B2L 3.5/8 | **1727650000** | 50 |
| 10 | B2L 3.5/10 | **1727660000** | 50 |
| 12 | B2L 3.5/12 | **1727670000** | 50 |
| 14 | B2L 3.5/14 | **1727680000** | 50 |
| 16 | B2L 3.5/16 | **1727690000** | 50 |
| 18 | B2L 3.5/18 | **1727700000** | 20 |
| 20 | B2L 3.5/20 | **1727710000** | 20 |
| 22 | B2L 3.5/22 | **1747930000** | 20 |
| 24 | B2L 3.5/24 | **1747940000** | 20 |
| 26 | B2L 3.5/26 | **1747950000** | 20 |
| 28 | B2L 3.5/28 | **1747960000** | 20 |
| 30 | B2L 3.5/30 | **1747970000** | 20 |
| 32 | B2L 3.5/32 | **1747980000** | 20 |
| 34 | B2L 3.5/34 | **1747990000** | 20 |
| 36 | B2L 3.5/36 | **1748000000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 200, 207 |

## Socket blocks B2L 3.5F




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated Voltage** | V | 100* | 50 | 50 |
| **Rated current** | A | 8.3 | 5 | 5 |
| **Clamping range max.** | mm²/AWG | 1.0 | 18 | 18 |

*Overvoltage category III / Pollution severity 3

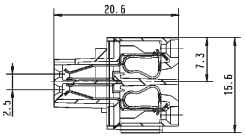
Additional technical data see page 210

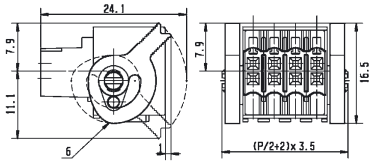
**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 6 | B2L 3.5/6F | **1748170000** | 50 |
| 8 | B2L 3.5/8F | **1748180000** | 50 |
| 10 | B2L 3.5/10F | **1748190000** | 50 |
| 12 | B2L 3.5/12F | **1748200000** | 50 |
| 14 | B2L 3.5/14F | **1748210000** | 50 |
| 16 | B2L 3.5/16F | **1748220000** | 50 |
| 18 | B2L 3.5/18F | **1748230000** | 20 |
| 20 | B2L 3.5/20F | **1748240000** | 20 |
| 22 | B2L 3.5/22F | **1748250000** | 20 |
| 24 | B2L 3.5/24F | **1748260000** | 20 |
| 26 | B2L 3.5/26F | **1748270000** | 20 |
| 28 | B2L 3.5/28F | **1748280000** | 20 |
| 30 | B2L 3.5/30F | **1748290000** | 20 |
| 32 | B2L 3.5/32F | **1748300000** | 20 |
| 34 | B2L 3.5/34F | **1748310000** | 20 |
| 36 | B2L 3.5/36F | **1748320000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 200, 207 |

## Socket blocks B2L 3.5LH




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated Voltage** | V | 100* | 50 | 50 |
| **Rated current** | A | 8.3 | 5 | 5 |
| **Clamping range max.** | mm²/AWG | 1.0 | 18 | 18 |

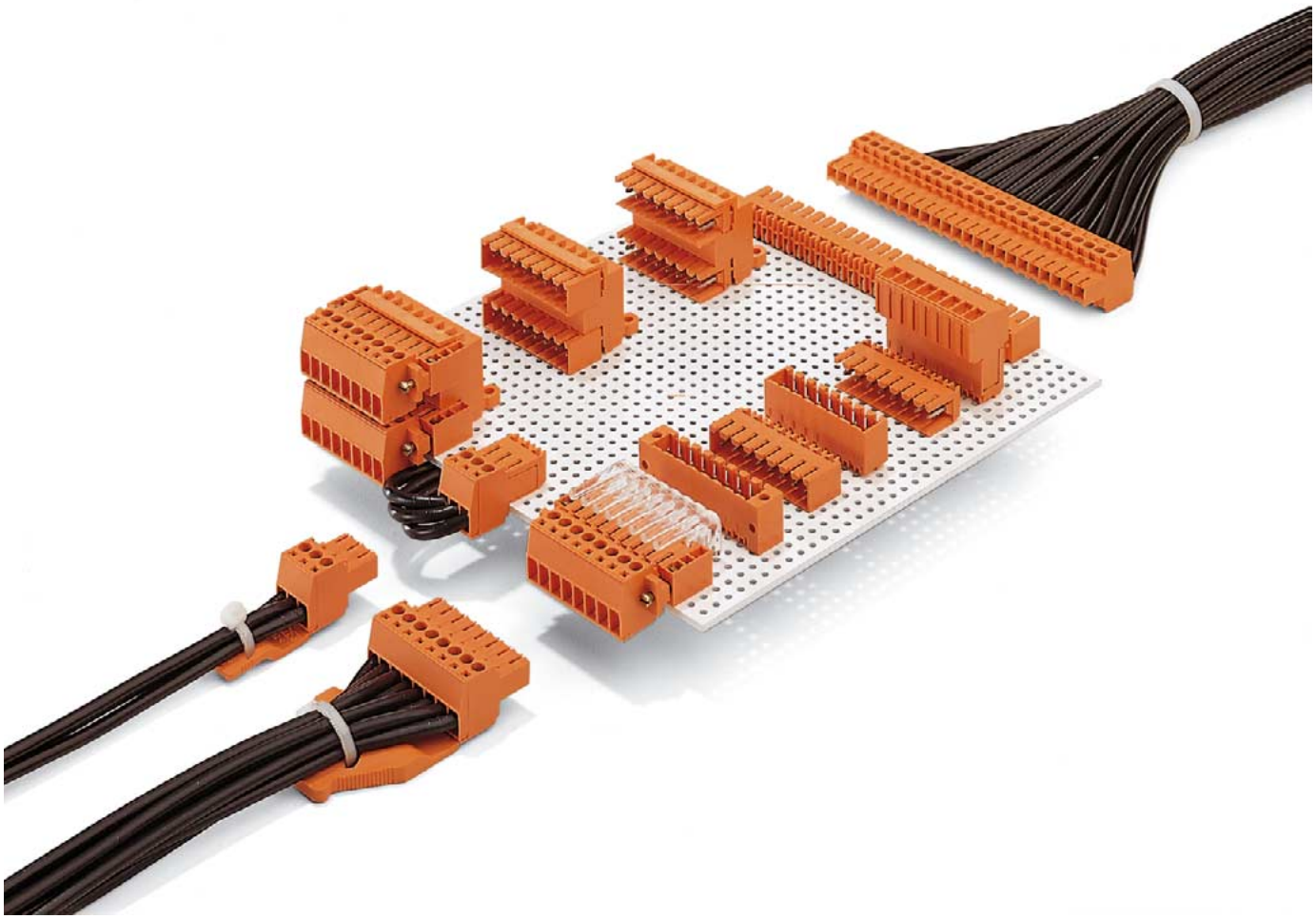
*Overvoltage category III / Pollution severity 3

Additional technical data see page 210

**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 6 | B2L 3.5/6LH | **1748490000** | 50 |
| 8 | B2L 3.5/8LH | **1748500000** | 50 |
| 10 | B2L 3.5/10LH | **1748510000** | 50 |
| 12 | B2L 3.5/12LH | **1748520000** | 50 |
| 14 | B2L 3.5/14LH | **1748530000** | 50 |
| 16 | B2L 3.5/16LH | **1748540000** | 50 |
| 18 | B2L 3.5/18LH | **1748550000** | 20 |
| 20 | B2L 3.5/20LH | **1748560000** | 20 |
| 22 | B2L 3.5/22LH | **1748570000** | 20 |
| 24 | B2L 3.5/24LH | **1748580000** | 20 |
| 26 | B2L 3.5/26LH | **1748590000** | 20 |
| 28 | B2L 3.5/28LH | **1748600000** | 20 |
| 30 | B2L 3.5/30LH | **1748610000** | 20 |
| 32 | B2L 3.5/32LH | **1748620000** | 20 |
| 34 | B2L 3.5/34LH | **1748630000** | 20 |
| 36 | B2L 3.5/36LH | **1748640000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 190 |
| Coding | 193 |
| Miscellaneous | 194, 201 |



## Omnimate Range - Pitch 3.50 mm

The **Omnimate Range** offers a free choice of the connecting technique. Everything is possible with the socket blocks and pin plugs: leaf spring, clamping yoke, tension clamp, TOP, crimp, and IDC connections.

This versatility brings substantial benefits: You design your printed circuit board with a 3.5/5/7mm pitch component and are able to combine different field connections with it – as it is required by end customers and market.

The comprehensive assortment of pin headers and socket blocks, the multitude of different angles between pcb, connectors and conductors in the field, and the large selection of accessories permit the **Omnimate Range** to be used in a variety of applications.

For example: motor control, free wiring of initiators and actuators, in interface elements or in power supply units.

**Product features overview:**

- free selection of the connecting technique
- easy to use
- end-to-end stacking without loss of pitch
- thermoplastic polyester (PBT), or Liquid Crystal Polymer (LCP) is used as insulation material that is flame-resistant according to UL 94 V-0
- large selection of accessories

Our standard socket blocks in **3.50 mm pitch** are available with clamping yoke (screw clamp) tension clamp, IDC (Insulation Displacement Connection), and with the innovative spring connection technique that is used in our new Sensor/Actuator socket block **BL I/O 3.5**.

The socket blocks can be combined with all single and double-level pin headers with conductor angle of 90°, 110°, 135° and 180°. And, of course, with our innovative **SL-SMT 3.5 pin headers** (Through-Hole-Reflow).

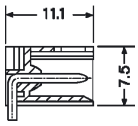
**3.50 mm pitch:**

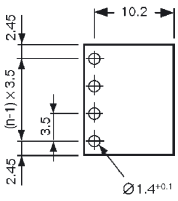
- all pin headers and socket blocks can be combined as required
- high connection density: approximately 30% more connections compared to 5.00/5.08 mm pitch
- optimum adaptation to the installation dimensions of standardized plug-in modules
- voltages up to 160 V, currents up to 12 A, conductor cross-sections up to 1.5 $mm^2$

# Omnimate Range - Pitch 3.50 mm

## Pin headers SL-SMT 3.5/90G

new




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 13 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 211

**Solder pin length** **1.5 mm**
**Tape-on-Reel**
**Colour** ●
**Tape width** **56 mm** **32 mm**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | SL-SMT 3.5/2/90G | **1761544001** | **1761544002** | 250 |
| 3 | SL-SMT 3.5/3/90G | **1761554001** | **1761554002** | 250 |
| 4 | SL-SMT 3.5/4/90G | **1761564001** | **1761564002** | 250 |
| 5 | SL-SMT 3.5/5/90G | **1761574001** | **1761574002** | 250 |
| 6 | SL-SMT 3.5/6/90G | **1761584001** | – | 250 |
| 7 | SL-SMT 3.5/7/90G | **1761594001** | – | 250 |
| 8 | SL-SMT 3.5/8/90G | **1761604001** | – | 250 |
| 9 | SL-SMT 3.5/9/90G | **1761614001** | – | 250 |
| 10 | SL-SMT 3.5/10/90G | **1761624001** | – | 250 |
| 11 | SL-SMT 3.5/11/90G | **1761634001** | – | 250 |

**For detailed product and application information for SMT see chapter “Other Applications” page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 204 |

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 13 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 211

**Solder pin length** **1.5 mm**
**Tray**
**Colour** ●

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SL-SMT 3.5/2/90G | **1761543001** | 108 |
| 3 | SL-SMT 3.5/3/90G | **1761553001** | 108 |
| 4 | SL-SMT 3.5/4/90G | **1761563001** | 96 |
| 5 | SL-SMT 3.5/5/90G | **1761573001** | 78 |
| 6 | SL-SMT 3.5/6/90G | **1761583001** | 66 |
| 7 | SL-SMT 3.5/7/90G | **1761593001** | 60 |
| 8 | SL-SMT 3.5/8/90G | **1761603001** | 54 |
| 9 | SL-SMT 3.5/9/90G | **1761613001** | 48 |
| 10 | SL-SMT 3.5/10/90G | **1761623001** | 42 |
| 11 | SL-SMT 3.5/11/90G | **1761633001** | 36 |
| 12 | SL-SMT 3.5/12/90G | **1761643001** | 36 |
| 13 | SL-SMT 3.5/13/90G | **1761653001** | 30 |
| 14 | SL-SMT 3.5/14/90G | **1761663001** | 30 |
| 15 | SL-SMT 3.5/15/90G | **1761673001** | 30 |
| 16 | SL-SMT 3.5/16/90G | **1761683001** | 24 |
| 17 | SL-SMT 3.5/17/90G | **1761693001** | 24 |
| 18 | SL-SMT 3.5/18/90G | **1761703001** | 24 |
| 19 | SL-SMT 3.5/19/90G | **1761713001** | 24 |
| 20 | SL-SMT 3.5/20/90G | **1761723001** | 18 |
| 21 | SL-SMT 3.5/21/90G | **1761733001** | 18 |
| 22 | SL-SMT 3.5/22/90G | **1761743001** | 18 |
| 23 | SL-SMT 3.5/23/90G | **1761753001** | 18 |
| 24 | SL-SMT 3.5/24/90G | **1761763001** | 18 |

**For detailed product and application information for SMT see chapter “Other Applications” page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 204 |

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 13 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 211

**Solder pin length** **1.5 mm**
**Standard Box**
**Colour** ●

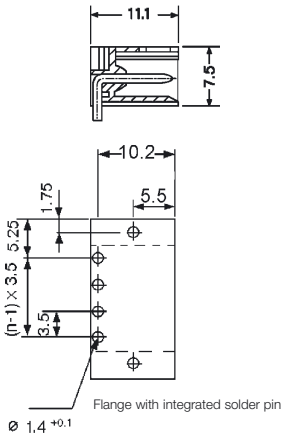
| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SL-SMT 3.5/2/90G | **1761542001** | 100 |
| 3 | SL-SMT 3.5/3/90G | **1761552001** | 100 |
| 4 | SL-SMT 3.5/4/90G | **1761562001** | 100 |
| 5 | SL-SMT 3.5/5/90G | **1761572001** | 50 |
| 6 | SL-SMT 3.5/6/90G | **1761582001** | 50 |
| 7 | SL-SMT 3.5/7/90G | **1761592001** | 50 |
| 8 | SL-SMT 3.5/8/90G | **1761602001** | 50 |
| 9 | SL-SMT 3.5/9/90G | **1761612001** | 50 |
| 10 | SL-SMT 3.5/10/90G | **1761622001** | 50 |
| 11 | SL-SMT 3.5/11/90G | **1761632001** | 50 |
| 12 | SL-SMT 3.5/12/90G | **1761642001** | 50 |
| 13 | SL-SMT 3.5/13/90G | **1761652001** | 50 |
| 14 | SL-SMT 3.5/14/90G | **1761662001** | 50 |
| 15 | SL-SMT 3.5/15/90G | **1761672001** | 50 |
| 16 | SL-SMT 3.5/16/90G | **1761682001** | 50 |
| 17 | SL-SMT 3.5/17/90G | **1761692001** | 20 |
| 18 | SL-SMT 3.5/18/90G | **1761702001** | 20 |
| 19 | SL-SMT 3.5/19/90G | **1761712001** | 20 |
| 20 | SL-SMT 3.5/20/90G | **1761722001** | 20 |
| 21 | SL-SMT 3.5/21/90G | **1761732001** | 20 |
| 22 | SL-SMT 3.5/22/90G | **1761742001** | 20 |
| 23 | SL-SMT 3.5/23/90G | **1761752001** | 20 |
| 24 | SL-SMT 3.5/24/90G | **1761762001** | 20 |

**For detailed product and application information for SMT see chapter “Other Applications” page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 204 |

## Pin headers SL-SMT 3.5/90LF

new




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 13 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 211

**Solder pin length** **1.5 mm**
**Tape-on-Reel**
**Colour** ●
**Tape width** **56 mm** **32 mm**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | SL-SMT 3.5/2/90LF | – | **1805310000** | 250 |
| 3 | SL-SMT 3.5/3/90LF | – | **1805320000** | 250 |
| 4 | SL-SMT 3.5/4/90LF | **1805330000** | – | 250 |
| 5 | SL-SMT 3.5/5/90LF | **1805340000** | – | 250 |
| 6 | SL-SMT 3.5/6/90LF | **1805350000** | – | 250 |
| 7 | SL-SMT 3.5/7/90LF | **1805360000** | – | 250 |
| 8 | SL-SMT 3.5/8/90LF | **1805370000** | – | 250 |
| 9 | SL-SMT 3.5/9/90LF | **1805380000** | – | 250 |

**For detailed product and application information for SMT see chapter "Other Applications" page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 204 |

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 13 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 211

**Solder pin length** **1.5 mm**
**Tray**
**Colour** ●

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SL-SMT 3.5/2/90LF | **on request** | – |
| 3 | SL-SMT 3.5/3/90LF | **on request** | – |
| 4 | SL-SMT 3.5/4/90LF | **on request** | – |
| 5 | SL-SMT 3.5/5/90LF | **on request** | – |
| 6 | SL-SMT 3.5/6/90LF | **on request** | – |
| 7 | SL-SMT 3.5/7/90LF | **on request** | – |
| 8 | SL-SMT 3.5/8/90LF | **on request** | – |
| 9 | SL-SMT 3.5/9/90LF | **on request** | – |
| 10 | SL-SMT 3.5/10/90LF | **on request** | – |
| 11 | SL-SMT 3.5/11/90LF | **on request** | – |
| 12 | SL-SMT 3.5/12/90LF | **on request** | – |
| 13 | SL-SMT 3.5/13/90LF | **on request** | – |
| 14 | SL-SMT 3.5/14/90LF | **on request** | – |
| 15 | SL-SMT 3.5/15/90LF | **on request** | – |
| 16 | SL-SMT 3.5/16/90LF | **on request** | – |
| 17 | SL-SMT 3.5/17/90LF | **on request** | – |
| 18 | SL-SMT 3.5/18/90LF | **on request** | – |
| 19 | SL-SMT 3.5/19/90LF | **on request** | – |
| 20 | SL-SMT 3.5/20/90LF | **on request** | – |
| 21 | SL-SMT 3.5/21/90LF | **on request** | – |
| 22 | SL-SMT 3.5/22/90LF | **on request** | – |
| 23 | SL-SMT 3.5/23/90LF | **on request** | – |
| 24 | SL-SMT 3.5/24/90LF | **on request** | – |

**For detailed product and application information for SMT see chapter "Other Applications" page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 204 |

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 13 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 211

**Solder pin length** **1.5 mm**
**Standard Box**
**Colour** ●

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SL-SMT 3.5/2/90LF | **1804940000** | 100 |
| 3 | SL-SMT 3.5/3/90LF | **1804950000** | 100 |
| 4 | SL-SMT 3.5/4/90LF | **1804960000** | 100 |
| 5 | SL-SMT 3.5/5/90LF | **1804970000** | 50 |
| 6 | SL-SMT 3.5/6/90LF | **1804980000** | 50 |
| 7 | SL-SMT 3.5/7/90LF | **1804990000** | 50 |
| 8 | SL-SMT 3.5/8/90LF | **1805000000** | 50 |
| 9 | SL-SMT 3.5/9/90LF | **1805010000** | 50 |
| 10 | SL-SMT 3.5/10/90LF | **1805020000** | 50 |
| 11 | SL-SMT 3.5/11/90LF | **1805030000** | 50 |
| 12 | SL-SMT 3.5/12/90LF | **1805040000** | 50 |
| 13 | SL-SMT 3.5/13/90LF | **1805050000** | 50 |
| 14 | SL-SMT 3.5/14/90LF | **1805060000** | 50 |
| 15 | SL-SMT 3.5/15/90LF | **1805070000** | 50 |
| 16 | SL-SMT 3.5/16/90LF | **1805080000** | 50 |
| 17 | SL-SMT 3.5/17/90LF | **1805090000** | 20 |
| 18 | SL-SMT 3.5/18/90LF | **1805100000** | 20 |
| 19 | SL-SMT 3.5/19/90LF | **1805110000** | 20 |
| 20 | SL-SMT 3.5/20/90LF | **1805120000** | 20 |
| 21 | SL-SMT 3.5/21/90LF | **1805130000** | 20 |
| 22 | SL-SMT 3.5/22/90LF | **1805140000** | 20 |
| 23 | SL-SMT 3.5/23/90LF | **1805150000** | 20 |
| 24 | SL-SMT 3.5/24/90LF | **1805160000** | 20 |

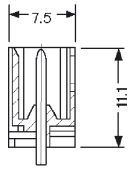
**For detailed product and application information for SMT see chapter "Other Applications" page 180-188.**

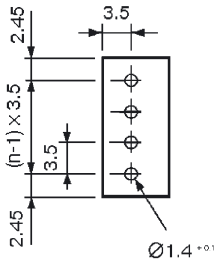
| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 204 |

# Omnimate Range - Pitch 3.50 mm

## Pin headers SL-SMT 3.5/180G

new




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 13 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 211

**Solder pin length** **1.5 mm**
**Tape-on-Reel**
**Colour** ●
**Tape width** **56 mm** **32 mm**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | SL-SMT 3.5/2/180G | **1752984001** | **1752984002** | 200 |
| 3 | SL-SMT 3.5/3/180G | **1752994001** | **1752994002** | 200 |
| 4 | SL-SMT 3.5/4/180G | **1753004001** | **1753004002** | 200 |
| 5 | SL-SMT 3.5/5/180G | **1753014001** | **1753014002** | 200 |
| 6 | SL-SMT 3.5/6/180G | **1753024001** | – | 200 |
| 7 | SL-SMT 3.5/7/180G | **1753034001** | – | 200 |
| 8 | SL-SMT 3.5/8/180G | **1753044001** | – | 200 |
| 9 | SL-SMT 3.5/9/180G | **1753054001** | – | 200 |
| 10 | SL-SMT 3.5/10/180G | **1753064001** | – | 200 |
| 11 | SL-SMT 3.5/11/180G | **1753074001** | – | 200 |

**For detailed product and application information for SMT see chapter “Other Applications” page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 13 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 211

**Solder pin length** **1.5 mm**
**Tray**
**Colour** ●

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SL-SMT 3.5/2/180G | **1752983001** | 108 |
| 3 | SL-SMT 3.5/3/180G | **1752993001** | 108 |
| 4 | SL-SMT 3.5/4/180G | **1753003001** | 96 |
| 5 | SL-SMT 3.5/5/180G | **1753013001** | 78 |
| 6 | SL-SMT 3.5/6/180G | **1753023001** | 66 |
| 7 | SL-SMT 3.5/7/180G | **1753033001** | 60 |
| 8 | SL-SMT 3.5/8/180G | **1753043001** | 54 |
| 9 | SL-SMT 3.5/9/180G | **1753053001** | 48 |
| 10 | SL-SMT 3.5/10/180G | **1753063001** | 42 |
| 11 | SL-SMT 3.5/11/180G | **1753073001** | 36 |
| 12 | SL-SMT 3.5/12/180G | **1753083001** | 36 |
| 13 | SL-SMT 3.5/13/180G | **1753093001** | 30 |
| 14 | SL-SMT 3.5/14/180G | **1753103001** | 30 |
| 15 | SL-SMT 3.5/15/180G | **1753113001** | 30 |
| 16 | SL-SMT 3.5/16/180G | **1753123001** | 24 |
| 17 | SL-SMT 3.5/17/180G | **1753133001** | 24 |
| 18 | SL-SMT 3.5/18/180G | **1753143001** | 24 |
| 19 | SL-SMT 3.5/19/180G | **1753153001** | 24 |
| 20 | SL-SMT 3.5/20/180G | **1753163001** | 18 |
| 21 | SL-SMT 3.5/21/180G | **1753173001** | 18 |
| 22 | SL-SMT 3.5/22/180G | **1753183001** | 18 |
| 23 | SL-SMT 3.5/23/180G | **1753193001** | 18 |
| 24 | SL-SMT 3.5/24/180G | **1753203001** | 18 |

**For detailed product and application information for SMT see chapter “Other Applications” page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 13 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 211

**Solder pin length** **1.5 mm**
**Standard Box**
**Colour** ●

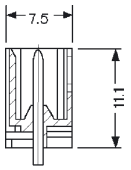
| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SL-SMT 3.5/2/180G | **1752982001** | 100 |
| 3 | SL-SMT 3.5/3/180G | **1752992001** | 100 |
| 4 | SL-SMT 3.5/4/180G | **1753002001** | 100 |
| 5 | SL-SMT 3.5/5/180G | **1753012001** | 50 |
| 6 | SL-SMT 3.5/6/180G | **1753022001** | 50 |
| 7 | SL-SMT 3.5/7/180G | **1753032001** | 50 |
| 8 | SL-SMT 3.5/8/180G | **1753042001** | 50 |
| 9 | SL-SMT 3.5/9/180G | **1753052001** | 50 |
| 10 | SL-SMT 3.5/10/180G | **1753062001** | 50 |
| 11 | SL-SMT 3.5/11/180G | **1753072001** | 50 |
| 12 | SL-SMT 3.5/12/180G | **1753082001** | 50 |
| 13 | SL-SMT 3.5/13/180G | **1753092001** | 50 |
| 14 | SL-SMT 3.5/14/180G | **1753102001** | 50 |
| 15 | SL-SMT 3.5/15/180G | **1753112001** | 50 |
| 16 | SL-SMT 3.5/16/180G | **1753122001** | 50 |
| 17 | SL-SMT 3.5/17/180G | **1753132001** | 20 |
| 18 | SL-SMT 3.5/18/180G | **1753142001** | 20 |
| 19 | SL-SMT 3.5/19/180G | **1753152001** | 20 |
| 20 | SL-SMT 3.5/20/180G | **1753162001** | 20 |
| 21 | SL-SMT 3.5/21/180G | **1753172001** | 20 |
| 22 | SL-SMT 3.5/22/180G | **1753182001** | 20 |
| 23 | SL-SMT 3.5/23/180G | **1753192001** | 20 |
| 24 | SL-SMT 3.5/24/180G | **1753202001** | 20 |

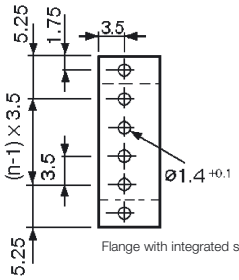
**For detailed product and application information for SMT see chapter “Other Applications” page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

## Pin headers SL-SMT 3.5/180LF

new




Flange with integrated solder pin

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 160* | 300 | 300 |
| Rated current | A | 13 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 211

**Solder pin length** 1.5 mm
**Tape-on-Reel**
**Colour** ●
**Tape width** 56 mm 32 mm

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | SL-SMT 3.5/2/180LF | – | **1805210000** | 200 |
| 3 | SL-SMT 3.5/3/180LF | – | **1805230000** | 200 |
| 4 | SL-SMT 3.5/4/180LF | **1805240000** | – | 200 |
| 5 | SL-SMT 3.5/5/180LF | **1805250000** | – | 200 |
| 6 | SL-SMT 3.5/6/180LF | **1805270000** | – | 200 |
| 7 | SL-SMT 3.5/7/180LF | **1805280000** | – | 200 |
| 8 | SL-SMT 3.5/8/180LF | **1805290000** | – | 200 |
| 9 | SL-SMT 3.5/9/180LF | **1805300000** | – | 200 |

**For detailed product and application information for SMT see chapter "Other Applications" page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 160* | 300 | 300 |
| Rated current | A | 13 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 211

**Solder pin length** 1.5 mm
**Tray**
**Colour** ●

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SL-SMT 3.5/2/180LF | **on request** | 96 |
| 3 | SL-SMT 3.5/3/180LF | **on request** | 78 |
| 4 | SL-SMT 3.5/4/180LF | **on request** | 66 |
| 5 | SL-SMT 3.5/5/180LF | **on request** | 60 |
| 6 | SL-SMT 3.5/6/180LF | **on request** | 54 |
| 7 | SL-SMT 3.5/7/180LF | **on request** | 48 |
| 8 | SL-SMT 3.5/8/180LF | **on request** | 42 |
| 9 | SL-SMT 3.5/9/180LF | **on request** | 36 |
| 10 | SL-SMT 3.5/10/180LF | **on request** | 36 |
| 11 | SL-SMT 3.5/11/180LF | **on request** | 30 |
| 12 | SL-SMT 3.5/12/180LF | **on request** | 30 |
| 13 | SL-SMT 3.5/13/180LF | **on request** | 30 |
| 14 | SL-SMT 3.5/14/180LF | **on request** | 24 |
| 15 | SL-SMT 3.5/15/180LF | **on request** | 24 |
| 16 | SL-SMT 3.5/16/180LF | **on request** | 24 |
| 17 | SL-SMT 3.5/17/180LF | **on request** | 24 |
| 18 | SL-SMT 3.5/18/180LF | **on request** | 18 |
| 19 | SL-SMT 3.5/19/180LF | **on request** | 18 |
| 20 | SL-SMT 3.5/20/180LF | **on request** | 18 |
| 21 | SL-SMT 3.5/21/180LF | **on request** | 18 |
| 22 | SL-SMT 3.5/22/180LF | **on request** | 18 |
| 23 | SL-SMT 3.5/23/180LF | **on request** | 18 |
| 24 | SL-SMT 3.5/24/180LF | **on request** | 18 |

**For detailed product and application information for SMT see chapter "Other Applications" page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 160* | 300 | 300 |
| Rated current | A | 13 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 211

**Solder pin length** 1.5 mm
**Standard Box**
**Colour** ●

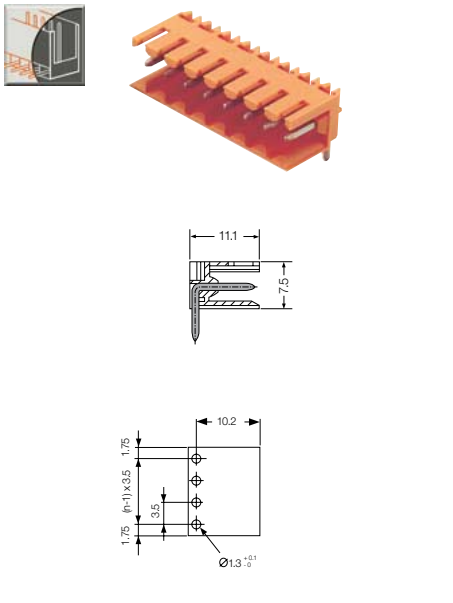
| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SL-SMT 3.5/2/180LF | **1804700000** | 100 |
| 3 | SL-SMT 3.5/3/180LF | **1804710000** | 100 |
| 4 | SL-SMT 3.5/4/180LF | **1804720000** | 100 |
| 5 | SL-SMT 3.5/5/180LF | **1804730000** | 50 |
| 6 | SL-SMT 3.5/6/180LF | **1804740000** | 50 |
| 7 | SL-SMT 3.5/7/180LF | **1804750000** | 50 |
| 8 | SL-SMT 3.5/8/180LF | **1804760000** | 50 |
| 9 | SL-SMT 3.5/9/180LF | **1804770000** | 50 |
| 10 | SL-SMT 3.5/10/180LF | **1804780000** | 50 |
| 11 | SL-SMT 3.5/11/180LF | **1804790000** | 50 |
| 12 | SL-SMT 3.5/12/180LF | **1804800000** | 50 |
| 13 | SL-SMT 3.5/13/180LF | **1804810000** | 50 |
| 14 | SL-SMT 3.5/14/180LF | **1804820000** | 50 |
| 15 | SL-SMT 3.5/15/180LF | **1804830000** | 50 |
| 16 | SL-SMT 3.5/16/180LF | **1804840000** | 50 |
| 17 | SL-SMT 3.5/17/180LF | **1804850000** | 20 |
| 18 | SL-SMT 3.5/18/180LF | **1804860000** | 20 |
| 19 | SL-SMT 3.5/19/180LF | **1804870000** | 20 |
| 20 | SL-SMT 3.5/20/180LF | **1804890000** | 20 |
| 21 | SL-SMT 3.5/21/180LF | **1804900000** | 20 |
| 22 | SL-SMT 3.5/22/180LF | **1804910000** | 20 |
| 23 | SL-SMT 3.5/23/180LF | **1804920000** | 20 |
| 24 | SL-SMT 3.5/24/180LF | **1804930000** | 20 |

**For detailed product and application information for SMT see chapter "Other Applications" page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

# Omnimate Range - Pitch 3.50 mm

## Pin headers SL 3.5/90




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 160* | 300 | 300 |
| Rated current | A | 12 | 10 | 10 |

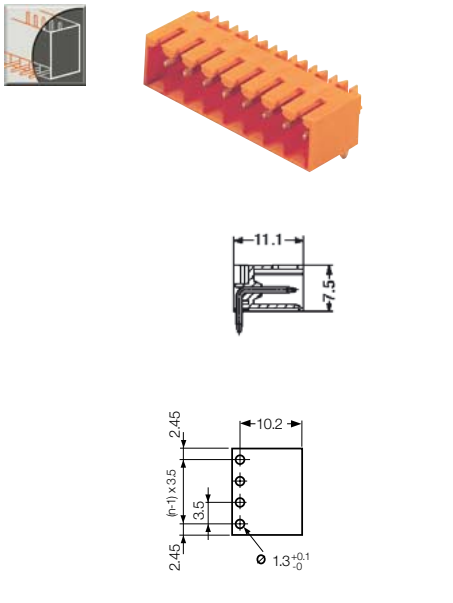
*Overvoltage category III / Pollution severity 3

Additional technical data see page 211

| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | SL 3.5/2/90 | **1597210000** | **1614130000** | 100 |
| 3 | SL 3.5/3/90 | **1597220000** | **1615300000** | 100 |
| 4 | SL 3.5/4/90 | **1597230000** | **1615310000** | 100 |
| 5 | SL 3.5/5/90 | **1597240000** | **1615320000** | 50 |
| 6 | SL 3.5/6/90 | **1597250000** | **1615330000** | 50 |
| 7 | SL 3.5/7/90 | **1597260000** | **1615340000** | 50 |
| 8 | SL 3.5/8/90 | **1597270000** | **1614140000** | 50 |
| 9 | SL 3.5/9/90 | **1597280000** | **1615350000** | 50 |
| 10 | SL 3.5/10/90 | **1597290000** | **1615360000** | 50 |
| 11 | SL 3.5/11/90 | **1597300000** | **1615370000** | 50 |
| 12 | SL 3.5/12/90 | **1597310000** | **1615380000** | 50 |
| 13 | SL 3.5/13/90 | **1597320000** | **1615390000** | 50 |
| 14 | SL 3.5/14/90 | **1597330000** | **1615400000** | 50 |
| 15 | SL 3.5/15/90 | **1597340000** | **1615410000** | 50 |
| 16 | SL 3.5/16/90 | **1597350000** | **1614150000** | 50 |
| 17 | SL 3.5/17/90 | **1618990000** | **1617820000** | 20 |
| 18 | SL 3.5/18/90 | **1619000000** | **1617830000** | 20 |
| 19 | SL 3.5/19/90 | **1619010000** | **1617840000** | 20 |
| 20 | SL 3.5/20/90 | **1619020000** | **1617850000** | 20 |
| 21 | SL 3.5/21/90 | **1619030000** | **1617860000** | 20 |
| 22 | SL 3.5/22/90 | **1619040000** | **1617870000** | 20 |
| 23 | SL 3.5/23/90 | **1619050000** | **1617880000** | 20 |
| 24 | SL 3.5/24/90 | **1619060000** | **1617890000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 195 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 204 |

## Pin headers SL 3.5/90G




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 160* | 300 | 300 |
| Rated current | A | 12 | 10 | 10 |

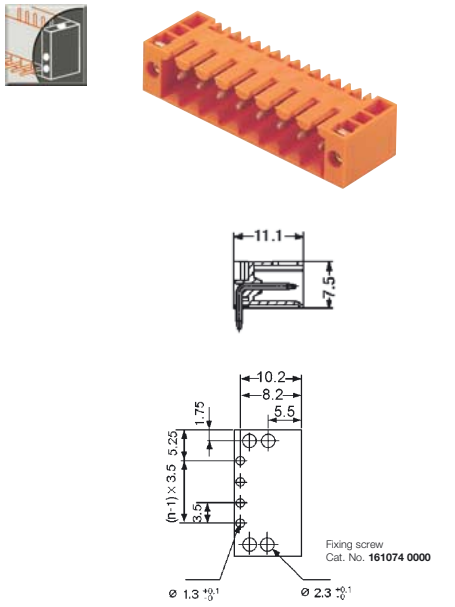
*Overvoltage category III / Pollution severity 3

Additional technical data see page 211

| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | SL 3.5/2/90G | **1605070000** | **1614160000** | 100 |
| 3 | SL 3.5/3/90G | **1605080000** | **1615420000** | 100 |
| 4 | SL 3.5/4/90G | **1605090000** | **1615430000** | 100 |
| 5 | SL 3.5/5/90G | **1605100000** | **1614170000** | 50 |
| 6 | SL 3.5/6/90G | **1605110000** | **1615440000** | 50 |
| 7 | SL 3.5/7/90G | **1605120000** | **1615450000** | 50 |
| 8 | SL 3.5/8/90G | **1605130000** | **1614180000** | 50 |
| 9 | SL 3.5/9/90G | **1605140000** | **1615460000** | 50 |
| 10 | SL 3.5/10/90G | **1605150000** | **1615470000** | 50 |
| 11 | SL 3.5/11/90G | **1605160000** | **1615480000** | 50 |
| 12 | SL 3.5/12/90G | **1605170000** | **1615490000** | 50 |
| 13 | SL 3.5/13/90G | **1605180000** | **1615500000** | 50 |
| 14 | SL 3.5/14/90G | **1605190000** | **1615510000** | 50 |
| 15 | SL 3.5/15/90G | **1605200000** | **1615520000** | 50 |
| 16 | SL 3.5/16/90G | **1605210000** | **1614190000** | 50 |
| 17 | SL 3.5/17/90G | **1619380000** | **1617980000** | 20 |
| 18 | SL 3.5/18/90G | **1619390000** | **1617990000** | 20 |
| 19 | SL 3.5/19/90G | **1619400000** | **1618000000** | 20 |
| 20 | SL 3.5/20/90G | **1619410000** | **1618010000** | 20 |
| 21 | SL 3.5/21/90G | **1619420000** | **1618020000** | 20 |
| 22 | SL 3.5/22/90G | **1619430000** | **1618030000** | 20 |
| 23 | SL 3.5/23/90G | **1619440000** | **1618040000** | 20 |
| 24 | SL 3.5/24/90G | **1619450000** | **1618050000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 195 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 204 |

## Pin headers SL 3.5/90F




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 160* | 300 | 300 |
| Rated current | A | 12 | 10 | 10 |

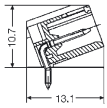
*Overvoltage category III / Pollution severity 3

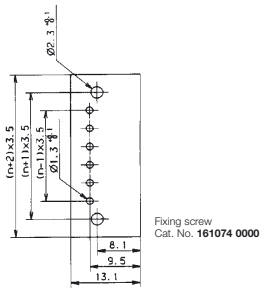
Additional technical data see page 211

| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | SL 3.5/2/90F | **1607040000** | **1615530000** | 100 |
| 3 | SL 3.5/3/90F | **1607050000** | **1615540000** | 100 |
| 4 | SL 3.5/4/90F | **1607060000** | **1615550000** | 100 |
| 5 | SL 3.5/5/90F | **1607070000** | **1615560000** | 50 |
| 6 | SL 3.5/6/90F | **1607080000** | **1615570000** | 50 |
| 7 | SL 3.5/7/90F | **1607090000** | **1615580000** | 50 |
| 8 | SL 3.5/8/90F | **1607100000** | **1614200000** | 50 |
| 9 | SL 3.5/9/90F | **1607110000** | **1615590000** | 50 |
| 10 | SL 3.5/10/90F | **1607120000** | **1615600000** | 50 |
| 11 | SL 3.5/11/90F | **1607130000** | **1615610000** | 50 |
| 12 | SL 3.5/12/90F | **1607140000** | **1615620000** | 50 |
| 13 | SL 3.5/13/90F | **1607150000** | **1615630000** | 50 |
| 14 | SL 3.5/14/90F | **1607160000** | **1615640000** | 50 |
| 15 | SL 3.5/15/90F | **1607170000** | **1615650000** | 50 |
| 16 | SL 3.5/16/90F | **1607180000** | **1615660000** | 50 |
| 17 | SL 3.5/17/90F | **1619770000** | **1618280000** | 20 |
| 18 | SL 3.5/18/90F | **1619780000** | **1618290000** | 20 |
| 19 | SL 3.5/19/90F | **1619790000** | **1618300000** | 20 |
| 20 | SL 3.5/20/90F | **1619800000** | **1618310000** | 20 |
| 21 | SL 3.5/21/90F | **1619810000** | **1618320000** | 20 |
| 22 | SL 3.5/22/90F | **1619820000** | **1618330000** | 20 |
| 23 | SL 3.5/23/90F | **1619830000** | **1618340000** | 20 |
| 24 | SL 3.5/24/90F | **1619840000** | **1618350000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 194, 195 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 204 |

## Pin headers SL 3.5/110






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |

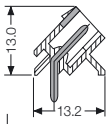
*Overvoltage category III / Pollution severity 3

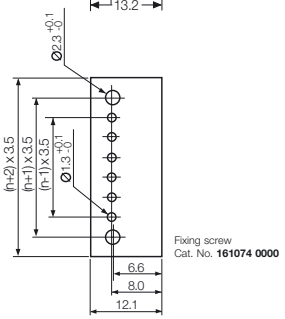
Additional technical data see page 211

| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | SL 3.5/2/110 | **1644040000** | **1644500000** | 100 |
| 3 | SL 3.5/3/110 | **1644050000** | **1644510000** | 100 |
| 4 | SL 3.5/4/110 | **1644060000** | **1644520000** | 100 |
| 5 | SL 3.5/5/110 | **1644070000** | **1644530000** | 50 |
| 6 | SL 3.5/6/110 | **1644080000** | **1644540000** | 50 |
| 7 | SL 3.5/7/110 | **1644090000** | **1644550000** | 50 |
| 8 | SL 3.5/8/110 | **1644100000** | **1644560000** | 50 |
| 9 | SL 3.5/9/110 | **1644110000** | **1644570000** | 50 |
| 10 | SL 3.5/10/110 | **1644120000** | **1644580000** | 50 |
| 11 | SL 3.5/11/110 | **1644130000** | **1644590000** | 50 |
| 12 | SL 3.5/12/110 | **1644140000** | **1644600000** | 50 |
| 13 | SL 3.5/13/110 | **1644150000** | **1644610000** | 50 |
| 14 | SL 3.5/14/110 | **1644160000** | **1644620000** | 50 |
| 15 | SL 3.5/15/110 | **1644170000** | **1644630000** | 50 |
| 16 | SL 3.5/16/110 | **1644180000** | **1644640000** | 50 |
| 17 | SL 3.5/17/110 | **1644190000** | **1644650000** | 20 |
| 18 | SL 3.5/18/110 | **1644200000** | **1644660000** | 20 |
| 19 | SL 3.5/19/110 | **1644210000** | **1644670000** | 20 |
| 20 | SL 3.5/20/110 | **1644220000** | **1644680000** | 20 |
| 21 | SL 3.5/21/110 | **1644230000** | **1644690000** | 20 |
| 22 | SL 3.5/22/110 | **1644240000** | **1644700000** | 20 |
| 23 | SL 3.5/23/110 | **1644250000** | **1644710000** | 20 |
| 24 | SL 3.5/24/110 | **1644260000** | **1644720000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 194, 195 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

## Pin headers SL 3.5/135






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

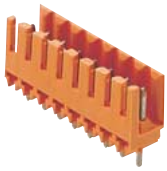
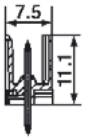
Additional technical data see page 211

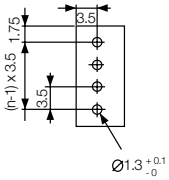
| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | SL 3.5/2/135 | **1643330000** | **1643810000** | 100 |
| 3 | SL 3.5/3/135 | **1643340000** | **1643820000** | 100 |
| 4 | SL 3.5/4/135 | **1643350000** | **1643830000** | 100 |
| 5 | SL 3.5/5/135 | **1643360000** | **1643840000** | 50 |
| 6 | SL 3.5/6/135 | **1643370000** | **1643850000** | 50 |
| 7 | SL 3.5/7/135 | **1643380000** | **1643860000** | 50 |
| 8 | SL 3.5/8/135 | **1643390000** | **1643870000** | 50 |
| 9 | SL 3.5/9/135 | **1643400000** | **1643880000** | 50 |
| 10 | SL 3.5/10/135 | **1643410000** | **1643890000** | 50 |
| 11 | SL 3.5/11/135 | **1643420000** | **1643900000** | 50 |
| 12 | SL 3.5/12/135 | **1643430000** | **1643910000** | 50 |
| 13 | SL 3.5/13/135 | **1643440000** | **1643920000** | 50 |
| 14 | SL 3.5/14/135 | **1643450000** | **1643930000** | 50 |
| 15 | SL 3.5/15/135 | **1643460000** | **1643940000** | 50 |
| 16 | SL 3.5/16/135 | **1643470000** | **1643950000** | 50 |
| 17 | SL 3.5/17/135 | **1643480000** | **1643960000** | 20 |
| 18 | SL 3.5/18/135 | **1643490000** | **1643970000** | 20 |
| 19 | SL 3.5/19/135 | **1643500000** | **1643980000** | 20 |
| 20 | SL 3.5/20/135 | **1643510000** | **1643990000** | 20 |
| 21 | SL 3.5/21/135 | **1643520000** | **1644000000** | 20 |
| 22 | SL 3.5/22/135 | **1643530000** | **1644010000** | 20 |
| 23 | SL 3.5/23/135 | **1643540000** | **1644020000** | 20 |
| 24 | SL 3.5/24/135 | **1643550000** | **1644030000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 194, 195 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

# Omnimate Range - Pitch 3.50 mm

## Pin headers SL 3.5/180




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 160* | 300 | 300 |
| Rated current | A | 12 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 211

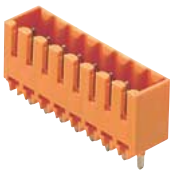
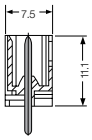
**Solder pin length** 3.2 mm 4.5 mm

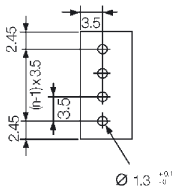
**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | SL 3.5/2/180 | **1604770000** | **1614210000** | 100 |
| 3 | SL 3.5/3/180 | **1604780000** | **1615930000** | 100 |
| 4 | SL 3.5/4/180 | **1604790000** | **1615940000** | 100 |
| 5 | SL 3.5/5/180 | **1604800000** | **1615950000** | 50 |
| 6 | SL 3.5/6/180 | **1604810000** | **1610150000** | 50 |
| 7 | SL 3.5/7/180 | **1604820000** | **1610160000** | 50 |
| 8 | SL 3.5/8/180 | **1604830000** | **1614220000** | 50 |
| 9 | SL 3.5/9/180 | **1604840000** | **1615960000** | 50 |
| 10 | SL 3.5/10/180 | **1604850000** | **1610170000** | 50 |
| 11 | SL 3.5/11/180 | **1604860000** | **1615970000** | 50 |
| 12 | SL 3.5/12/180 | **1604870000** | **1615980000** | 50 |
| 13 | SL 3.5/13/180 | **1604880000** | **1615990000** | 50 |
| 14 | SL 3.5/14/180 | **1604890000** | **1616000000** | 50 |
| 15 | SL 3.5/15/180 | **1604900000** | **1616010000** | 50 |
| 16 | SL 3.5/16/180 | **1604910000** | **1614230000** | 50 |
| 17 | SL 3.5/17/180 | **1621400000** | **1618450000** | 20 |
| 18 | SL 3.5/18/180 | **1621410000** | **1618460000** | 20 |
| 19 | SL 3.5/19/180 | **1621420000** | **1618470000** | 20 |
| 20 | SL 3.5/20/180 | **1621430000** | **1618480000** | 20 |
| 21 | SL 3.5/21/180 | **1621440000** | **1618490000** | 20 |
| 22 | SL 3.5/22/180 | **1621450000** | **1618500000** | 20 |
| 23 | SL 3.5/23/180 | **1621460000** | **1618510000** | 20 |
| 24 | SL 3.5/24/180 | **1621470000** | **1618520000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 195 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

## Pin headers SL 3.5/180G




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 160* | 300 | 300 |
| Rated current | A | 12 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 211

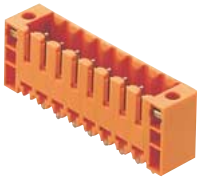
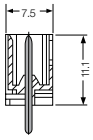
**Solder pin length** 3.2 mm 4.5 mm

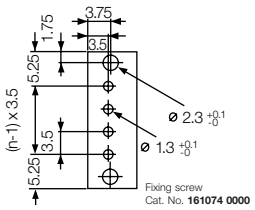
**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | SL 3.5/2/180G | **1604470000** | **1614240000** | 100 |
| 3 | SL 3.5/3/180G | **1604480000** | **1616020000** | 100 |
| 4 | SL 3.5/4/180G | **1604490000** | **1616030000** | 100 |
| 5 | SL 3.5/5/180G | **1604500000** | **1616040000** | 50 |
| 6 | SL 3.5/6/180G | **1604510000** | **1616050000** | 50 |
| 7 | SL 3.5/7/180G | **1604520000** | **1616060000** | 50 |
| 8 | SL 3.5/8/180G | **1604530000** | **1614250000** | 50 |
| 9 | SL 3.5/9/180G | **1604540000** | **1616070000** | 50 |
| 10 | SL 3.5/10/180G | **1604550000** | **1616080000** | 50 |
| 11 | SL 3.5/11/180G | **1604560000** | **1616090000** | 50 |
| 12 | SL 3.5/12/180G | **1604570000** | **1616100000** | 50 |
| 13 | SL 3.5/13/180G | **1604580000** | **1616110000** | 50 |
| 14 | SL 3.5/14/180G | **1604590000** | **1616120000** | 50 |
| 15 | SL 3.5/15/180G | **1604600000** | **1616130000** | 50 |
| 16 | SL 3.5/16/180G | **1604610000** | **1614260000** | 50 |
| 17 | SL 3.5/17/180G | **1621790000** | **1618610000** | 20 |
| 18 | SL 3.5/18/180G | **1621800000** | **1618620000** | 20 |
| 19 | SL 3.5/19/180G | **1621810000** | **1618630000** | 20 |
| 20 | SL 3.5/20/180G | **1621820000** | **1618640000** | 20 |
| 21 | SL 3.5/21/180G | **1621830000** | **1618650000** | 20 |
| 22 | SL 3.5/22/180G | **1621840000** | **1618660000** | 20 |
| 23 | SL 3.5/23/180G | **1621850000** | **1618670000** | 20 |
| 24 | SL 3.5/24/180G | **1621860000** | **1618680000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 195 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

## Pin headers SL 3.5/180F




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 160* | 300 | 300 |
| Rated current | A | 12 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 211

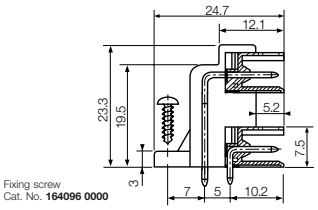
**Solder pin length** 3.2 mm 4.5 mm

**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | SL 3.5/2/180F | **1607500000** | **1616140000** | 100 |
| 3 | SL 3.5/3/180F | **1607510000** | **1616150000** | 100 |
| 4 | SL 3.5/4/180F | **1607520000** | **1616160000** | 100 |
| 5 | SL 3.5/5/180F | **1607530000** | **1616170000** | 50 |
| 6 | SL 3.5/6/180F | **1607540000** | **1616180000** | 50 |
| 7 | SL 3.5/7/180F | **1607550000** | **1616190000** | 50 |
| 8 | SL 3.5/8/180F | **1607560000** | **1614270000** | 50 |
| 9 | SL 3.5/9/180F | **1607570000** | **1616200000** | 50 |
| 10 | SL 3.5/10/180F | **1607580000** | **1616210000** | 50 |
| 11 | SL 3.5/11/180F | **1607590000** | **1616220000** | 50 |
| 12 | SL 3.5/12/180F | **1607600000** | **1616230000** | 50 |
| 13 | SL 3.5/13/180F | **1607610000** | **1616240000** | 50 |
| 14 | SL 3.5/14/180F | **1607620000** | **1616250000** | 50 |
| 15 | SL 3.5/15/180F | **1607630000** | **1616260000** | 50 |
| 16 | SL 3.5/16/180F | **1607640000** | **1616270000** | 50 |
| 17 | SL 3.5/17/180F | **1622180000** | **1618910000** | 20 |
| 18 | SL 3.5/18/180F | **1622190000** | **1618920000** | 20 |
| 19 | SL 3.5/19/180F | **1622200000** | **1618930000** | 20 |
| 20 | SL 3.5/20/180F | **1622210000** | **1618940000** | 20 |
| 21 | SL 3.5/21/180F | **1622220000** | **1618950000** | 20 |
| 22 | SL 3.5/22/180F | **1622230000** | **1618960000** | 20 |
| 23 | SL 3.5/23/180F | **1622240000** | **1618970000** | 20 |
| 24 | SL 3.5/24/180F | **1622250000** | **1618980000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 194, 195 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

## Pin headers SLD 3.5/90




L = (n/2–1) x 3.5
A = see page 239

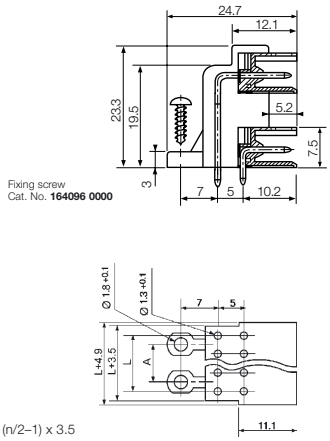
| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 8 | 10 | 10 |

*Overvoltage category III / Pollution severity 3
Additional technical data see page 212

| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 4 | SLD 3.5/4/90 | **1633350000** | **1634040000** | 50 |
| 6 | SLD 3.5/6/90 | **1633360000** | **1634050000** | 50 |
| 8 | SLD 3.5/8/90 | **1633370000** | **1634060000** | 50 |
| 10 | SLD 3.5/10/90 | **1633380000** | **1634070000** | 50 |
| 12 | SLD 3.5/12/90 | **1633390000** | **1634080000** | 50 |
| 14 | SLD 3.5/14/90 | **1633400000** | **1634090000** | 20 |
| 16 | SLD 3.5/16/90 | **1633410000** | **1634100000** | 20 |
| 18 | SLD 3.5/18/90 | **1633420000** | **1634110000** | 20 |
| 20 | SLD 3.5/20/90 | **1633430000** | **1634120000** | 20 |
| 22 | SLD 3.5/22/90 | **1633440000** | **1634130000** | 10 |
| 24 | SLD 3.5/24/90 | **1633450000** | **1634140000** | 10 |
| 26 | SLD 3.5/26/90 | **1633460000** | **1634150000** | 10 |
| 28 | SLD 3.5/28/90 | **1633470000** | **1634160000** | 10 |
| 30 | SLD 3.5/30/90 | **1633480000** | **1634170000** | 10 |
| 32 | SLD 3.5/32/90 | **1633490000** | **1634180000** | 10 |
| 34 | SLD 3.5/34/90 | **1633500000** | **1634190000** | 10 |
| 36 | SLD 3.5/36/90 | **1633510000** | **1634200000** | 10 |
| 38 | SLD 3.5/38/90 | **1633520000** | **1634210000** | 10 |
| 40 | SLD 3.5/40/90 | **1633530000** | **1634220000** | 10 |
| 42 | SLD 3.5/42/90 | **1633540000** | **1634230000** | 10 |
| 44 | SLD 3.5/44/90 | **1633550000** | **1634240000** | 10 |
| 46 | SLD 3.5/46/90 | **1633560000** | **1634250000** | 10 |
| 48 | SLD 3.5/48/90 | **1633570000** | **1634260000** | 10 |

| Accessories | Page |
|---|---|
| Fixing | 194 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

## Pin headers SLD 3.5/90G




L = (n/2–1) x 3.5
A = see page 239

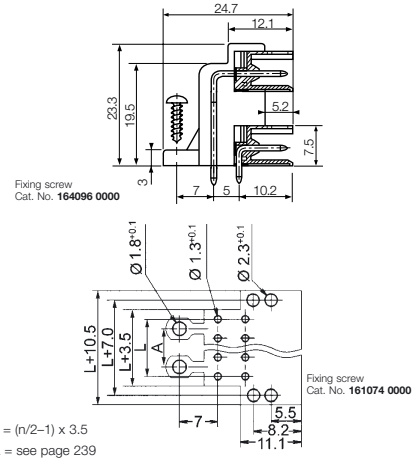
| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 8 | 10 | 10 |

*Overvoltage category III / Pollution severity 3
Additional technical data see page 212

| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 4 | SLD 3.5/4/90G | **1633580000** | **1634270000** | 50 |
| 6 | SLD 3.5/6/90G | **1633590000** | **1634280000** | 50 |
| 8 | SLD 3.5/8/90G | **1633600000** | **1634290000** | 50 |
| 10 | SLD 3.5/10/90G | **1633610000** | **1634300000** | 50 |
| 12 | SLD 3.5/12/90G | **1633620000** | **1634310000** | 50 |
| 14 | SLD 3.5/14/90G | **1633630000** | **1634320000** | 20 |
| 16 | SLD 3.5/16/90G | **1633640000** | **1634330000** | 20 |
| 18 | SLD 3.5/18/90G | **1633650000** | **1634340000** | 20 |
| 20 | SLD 3.5/20/90G | **1633660000** | **1634350000** | 20 |
| 22 | SLD 3.5/22/90G | **1633670000** | **1634360000** | 10 |
| 24 | SLD 3.5/24/90G | **1633680000** | **1634370000** | 10 |
| 26 | SLD 3.5/26/90G | **1633690000** | **1634380000** | 10 |
| 28 | SLD 3.5/28/90G | **1633700000** | **1634390000** | 10 |
| 30 | SLD 3.5/30/90G | **1633710000** | **1634400000** | 10 |
| 32 | SLD 3.5/32/90G | **1633720000** | **1634410000** | 10 |
| 34 | SLD 3.5/34/90G | **1633730000** | **1634420000** | 10 |
| 36 | SLD 3.5/36/90G | **1633740000** | **1634430000** | 10 |
| 38 | SLD 3.5/38/90G | **1633750000** | **1634440000** | 10 |
| 40 | SLD 3.5/40/90G | **1633760000** | **1634450000** | 10 |
| 42 | SLD 3.5/42/90G | **1633770000** | **1634460000** | 10 |
| 44 | SLD 3.5/44/90G | **1633780000** | **1634470000** | 10 |
| 46 | SLD 3.5/46/90G | **1633790000** | **1634480000** | 10 |
| 48 | SLD 3.5/48/90G | **1633800000** | **1634490000** | 10 |

| Accessories | Page |
|---|---|
| Fixing | 194 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

## Pin headers SLD 3.5/90F




L = (n/2–1) x 3.5
A = see page 239

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 8 | 10 | 10 |

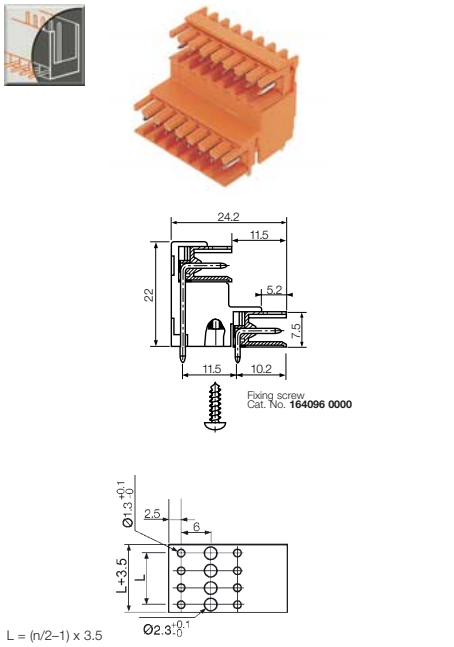
*Overvoltage category III / Pollution severity 3
Additional technical data see page 212

| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 4 | SLD 3.5/4/90F | **1633810000** | **1634500000** | 50 |
| 6 | SLD 3.5/6/90F | **1633820000** | **1634510000** | 50 |
| 8 | SLD 3.5/8/90F | **1633830000** | **1634520000** | 50 |
| 10 | SLD 3.5/10/90F | **1633840000** | **1634530000** | 50 |
| 12 | SLD 3.5/12/90F | **1633850000** | **1634540000** | 50 |
| 14 | SLD 3.5/14/90F | **1633860000** | **1634550000** | 20 |
| 16 | SLD 3.5/16/90F | **1633870000** | **1634560000** | 20 |
| 18 | SLD 3.5/18/90F | **1633880000** | **1634570000** | 20 |
| 20 | SLD 3.5/20/90F | **1633890000** | **1634580000** | 20 |
| 22 | SLD 3.5/22/90F | **1633900000** | **1634590000** | 10 |
| 24 | SLD 3.5/24/90F | **1633910000** | **1634600000** | 10 |
| 26 | SLD 3.5/26/90F | **1633920000** | **1634610000** | 10 |
| 28 | SLD 3.5/28/90F | **1633930000** | **1634620000** | 10 |
| 30 | SLD 3.5/30/90F | **1633940000** | **1634630000** | 10 |
| 32 | SLD 3.5/32/90F | **1633950000** | **1634640000** | 10 |
| 34 | SLD 3.5/34/90F | **1633960000** | **1634650000** | 10 |
| 36 | SLD 3.5/36/90F | **1633970000** | **1634660000** | 10 |
| 38 | SLD 3.5/38/90F | **1633980000** | **1634670000** | 10 |
| 40 | SLD 3.5/40/90F | **1633990000** | **1634680000** | 10 |
| 42 | SLD 3.5/42/90F | **1634000000** | **1634690000** | 10 |
| 44 | SLD 3.5/44/90F | **1634010000** | **1634700000** | 10 |
| 46 | SLD 3.5/46/90F | **1634020000** | **1634710000** | 10 |
| 48 | SLD 3.5/48/90F | **1634030000** | **1634720000** | 10 |

| Accessories | Page |
|---|---|
| Fixing | 194 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

# Omnimate Range - Pitch 3.50 mm

## Pin headers SLD 3.5V/90




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 8 | 10 | 10 |

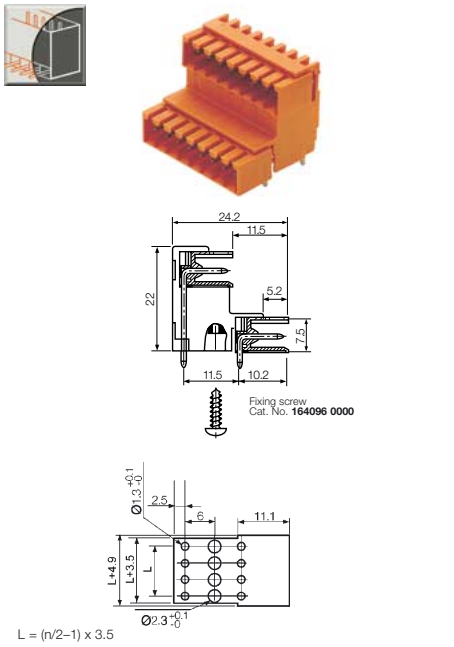
*Overvoltage category III / Pollution severity 3

Additional technical data see page 212

| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 4 | SLD 3.5 V/4/90 | **1642090000** | **1642620000** | 50 |
| 8 | SLD 3.5 V/8/90 | **1642100000** | **1642630000** | 50 |
| 12 | SLD 3.5 V/12/90 | **1642110000** | **1642640000** | 50 |
| 16 | SLD 3.5 V/16/90 | **1642120000** | **1642650000** | 50 |
| 20 | SLD 3.5 V/20/90 | **1642130000** | **1642660000** | 20 |
| 24 | SLD 3.5 V/24/90 | **1642140000** | **1642670000** | 20 |
| 28 | SLD 3.5 V/28/90 | **1642150000** | **1642680000** | 10 |
| 32 | SLD 3.5 V/32/90 | **1642160000** | **1642690000** | 10 |
| 36 | SLD 3.5 V/36/90 | **1642170000** | **1642700000** | 10 |
| 40 | SLD 3.5 V/40/90 | **1642180000** | **1642710000** | 10 |
| 44 | SLD 3.5 V/44/90 | **1642190000** | **1642720000** | 10 |
| 48 | SLD 3.5 V/48/90 | **1642200000** | **1642730000** | 10 |

| Accessories | Page |
|---|---|
| Fixing | 194 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

## Pin headers SLD 3.5V/90G




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 8 | 10 | 10 |

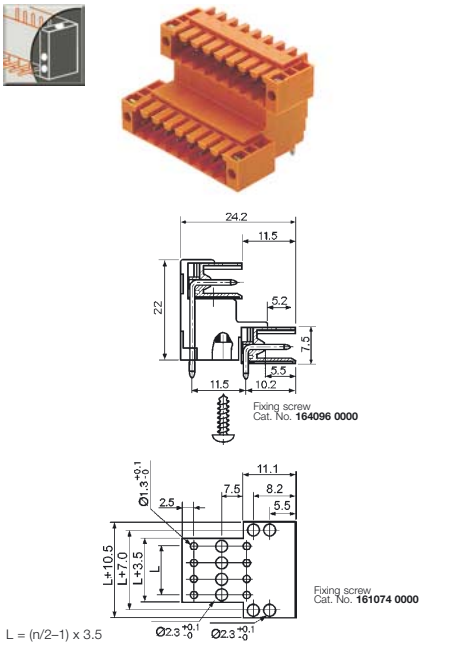
*Overvoltage category III / Pollution severity 3

Additional technical data see page 212

| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 4 | SLD 3.5 V/4/90G | **1642240000** | **1642860000** | 50 |
| 8 | SLD 3.5 V/8/90G | **1642250000** | **1642870000** | 50 |
| 12 | SLD 3.5 V/12/90G | **1642260000** | **1642880000** | 50 |
| 16 | SLD 3.5 V/16/90G | **1642270000** | **1642890000** | 50 |
| 20 | SLD 3.5 V/20/90G | **1642280000** | **1642900000** | 20 |
| 24 | SLD 3.5 V/24/90G | **1642290000** | **1642910000** | 20 |
| 28 | SLD 3.5 V/28/90G | **1642300000** | **1642920000** | 10 |
| 32 | SLD 3.5 V/32/90G | **1642310000** | **1642930000** | 10 |
| 36 | SLD 3.5 V/36/90G | **1642320000** | **1642940000** | 10 |
| 40 | SLD 3.5 V/40/90G | **1642330000** | **1642950000** | 10 |
| 44 | SLD 3.5 V/44/90G | **1642340000** | **1642960000** | 10 |
| 48 | SLD 3.5 V/48/90G | **1642350000** | **1642970000** | 10 |

| Accessories | Page |
|---|---|
| Fixing | 194 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

## Pin headers SLD 3.5V/90F




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 8 | 10 | 10 |

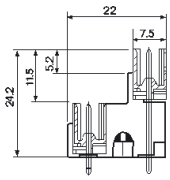
*Overvoltage category III / Pollution severity 3

Additional technical data see page 212

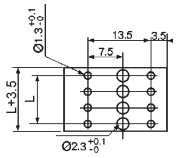
| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 4 | SLD 3.5 V/4/90F | **1642370000** | **1643100000** | 50 |
| 8 | SLD 3.5 V/8/90F | **1642380000** | **1643110000** | 50 |
| 12 | SLD 3.5 V/12/90F | **1642390000** | **1643120000** | 50 |
| 16 | SLD 3.5 V/16/90F | **1642400000** | **1643130000** | 20 |
| 20 | SLD 3.5 V/20/90F | **1642410000** | **1643140000** | 20 |
| 24 | SLD 3.5 V/24/90F | **1642420000** | **1643150000** | 10 |
| 28 | SLD 3.5 V/28/90F | **1642430000** | **1643160000** | 10 |
| 32 | SLD 3.5 V/32/90F | **1642440000** | **1643170000** | 10 |
| 36 | SLD 3.5 V/36/90F | **1642450000** | **1643180000** | 10 |
| 40 | SLD 3.5 V/40/90F | **1642460000** | **1643190000** | 10 |
| 44 | SLD 3.5 V/44/90F | **1642470000** | **1643200000** | 10 |
| 48 | SLD 3.5 V/48/90F | **1642480000** | **1643210000** | 10 |

| Accessories | Page |
|---|---|
| Fixing | 194 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

## Pin headers SLD 3.5V/180







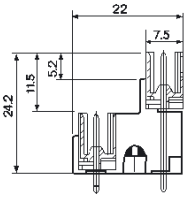

L = (n/2–1) x 3.5

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 8 | 10 | 10 |

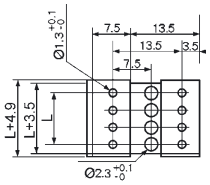
*Overvoltage category III / Pollution severity 3

Additional technical data see page 212

## Pin headers SLD 3.5V/180G







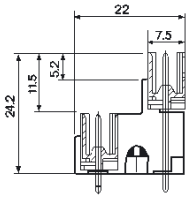

L = (n/2–1) x 3.5

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 8 | 10 | 10 |

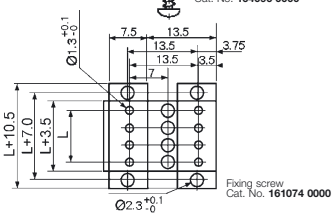
*Overvoltage category III / Pollution severity 3

Additional technical data see page 212

## Pin headers SLD 3.5V/180F








L = (n/2–1) x 3.5

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 8 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 212

**Solder pin length** — 3.2 mm — 4.5 mm

**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 4 | SLD 3.5 V/4/180 | **1640980000** | **1641490000** | 50 |
| 8 | SLD 3.5 V/8/180 | **1640990000** | **1641500000** | 50 |
| 12 | SLD 3.5 V/12/180 | **1641000000** | **1641510000** | 50 |
| 16 | SLD 3.5 V/16/180 | **1641010000** | **1641520000** | 20 |
| 20 | SLD 3.5 V/20/180 | **1641020000** | **1641530000** | 20 |
| 24 | SLD 3.5 V/24/180 | **1641030000** | **1641540000** | 10 |
| 28 | SLD 3.5 V/28/180 | **1641040000** | **1641550000** | 10 |
| 32 | SLD 3.5 V/32/180 | **1641050000** | **1641560000** | 10 |
| 36 | SLD 3.5 V/36/180 | **1641060000** | **1641570000** | 10 |
| 40 | SLD 3.5 V/40/180 | **1641070000** | **1641580000** | 10 |
| 44 | SLD 3.5 V/44/180 | **1641080000** | **1641590000** | 10 |
| 48 | SLD 3.5 V/48/180 | **1641090000** | **1641600000** | 10 |

**Solder pin length** — 3.2 mm — 4.5 mm

**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 4 | SLD 3.5 V/4/180G | **1641110000** | **1641730000** | 50 |
| 8 | SLD 3.5 V/8/180G | **1641120000** | **1641740000** | 50 |
| 12 | SLD 3.5 V/12/180G | **1641130000** | **1641750000** | 50 |
| 16 | SLD 3.5 V/16/180G | **1641140000** | **1641760000** | 20 |
| 20 | SLD 3.5 V/20/180G | **1641150000** | **1641770000** | 20 |
| 24 | SLD 3.5 V/24/180G | **1641160000** | **1641780000** | 10 |
| 28 | SLD 3.5 V/28/180G | **1641170000** | **1641790000** | 10 |
| 32 | SLD 3.5 V/32/180G | **1641180000** | **1641800000** | 10 |
| 36 | SLD 3.5 V/36/180G | **1641190000** | **1641810000** | 10 |
| 40 | SLD 3.5 V/40/180G | **1641200000** | **1641820000** | 10 |
| 44 | SLD 3.5 V/44/180G | **1641210000** | **1641830000** | 10 |
| 48 | SLD 3.5 V/48/180G | **1641220000** | **1641840000** | 10 |

**Solder pin length** — 3.2 mm — 4.5 mm

**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 4 | SLD 3.5 V/4/180F | **1641240000** | **1641970000** | 50 |
| 8 | SLD 3.5 V/8/180F | **1641250000** | **1641980000** | 50 |
| 12 | SLD 3.5 V/12/180F | **1641260000** | **1641990000** | 50 |
| 16 | SLD 3.5 V/16/180F | **1641270000** | **1642000000** | 20 |
| 20 | SLD 3.5 V/20/180F | **1641280000** | **1642010000** | 20 |
| 24 | SLD 3.5 V/24/180F | **1641290000** | **1642020000** | 10 |
| 28 | SLD 3.5 V/28/180F | **1641300000** | **1642030000** | 10 |
| 32 | SLD 3.5 V/32/180F | **1641310000** | **1642040000** | 10 |
| 36 | SLD 3.5 V/36/180F | **1641320000** | **1642050000** | 10 |
| 40 | SLD 3.5 V/40/180F | **1641330000** | **1642060000** | 10 |
| 44 | SLD 3.5 V/44/180F | **1641340000** | **1642070000** | 10 |
| 48 | SLD 3.5 V/48/180F | **1641350000** | **1642080000** | 10 |

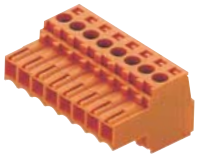
| Accessories | Page |
|---|---|
| Fixing | 194 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

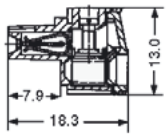
| Accessories | Page |
|---|---|
| Fixing | 194 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

| Accessories | Page |
|---|---|
| Fixing | 194 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

# Omnimate Range - Pitch 3.50 mm

## Socket blocks BL 3.5






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 1.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 213

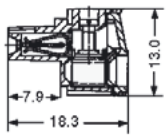
**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | BL 3.5/2 | **1597360000** | **1615670000** | 100 |
| 3 | BL 3.5/3 | **1597370000** | **1615680000** | 100 |
| 4 | BL 3.5/4 | **1597380000** | **1615690000** | 100 |
| 5 | BL 3.5/5 | **1597390000** | **1614090000** | 50 |
| 6 | BL 3.5/6 | **1597400000** | **1610180000** | 50 |
| 7 | BL 3.5/7 | **1597410000** | **1610190000** | 50 |
| 8 | BL 3.5/8 | **1597420000** | **1615700000** | 50 |
| 9 | BL 3.5/9 | **1597430000** | **1615710000** | 50 |
| 10 | BL 3.5/10 | **1597440000** | **1610200000** | 50 |
| 11 | BL 3.5/11 | **1597450000** | **1615720000** | 50 |
| 12 | BL 3.5/12 | **1597460000** | **1615730000** | 50 |
| 13 | BL 3.5/13 | **1597470000** | **1615740000** | 50 |
| 14 | BL 3.5/14 | **1597480000** | **1615750000** | 50 |
| 15 | BL 3.5/15 | **1597490000** | **1615760000** | 50 |
| 16 | BL 3.5/16 | **1597500000** | **1615770000** | 50 |
| 17 | BL 3.5/17 | **1620290000** | **1620370000** | 20 |
| 18 | BL 3.5/18 | **1620300000** | **1620380000** | 20 |
| 19 | BL 3.5/19 | **1620310000** | **1620390000** | 20 |
| 20 | BL 3.5/20 | **1620320000** | **1620400000** | 20 |
| 21 | BL 3.5/21 | **1620330000** | **1620410000** | 20 |
| 22 | BL 3.5/22 | **1620340000** | **1620420000** | 20 |
| 23 | BL 3.5/23 | **1620350000** | **1620430000** | 20 |
| 24 | BL 3.5/24 | **1620360000** | **1620440000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 195 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 204-207 |

## Socket blocks BL 3.5 PRINT

printed version




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 1.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

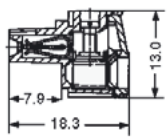
Additional technical data see page 213

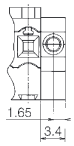
**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | BL 3.5/2 Printed | **1740621001** | 100 |
| 3 | BL 3.5/3 Printed | **1740631001** | 100 |
| 4 | BL 3.5/4 Printed | **1740641001** | 100 |
| 5 | BL 3.5/5 Printed | **1740651001** | 50 |
| 6 | BL 3.5/6 Printed | **1740661001** | 50 |
| 8 | BL 3.5/8 Printed | **1740671001** | 50 |
| 10 | BL 3.5/10 Printed | **1740681001** | 50 |
| 12 | BL 3.5/12 Printed | **1674790000** | 50 |
| 16 | BL 3.5/16 Printed | **1740691001** | 50 |
| 20 | BL 3.5/20 Printed | **1740701001** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 195 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 204-207 |

## Socket blocks BL 3.5F




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 1.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 213

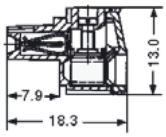
**Colour**

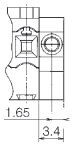
| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | BL 3.5/2F | **1606640000** | **1615780000** | 100 |
| 3 | BL 3.5/3F | **1606650000** | **1615790000** | 100 |
| 4 | BL 3.5/4F | **1606660000** | **1615800000** | 100 |
| 5 | BL 3.5/5F | **1606670000** | **1615810000** | 50 |
| 6 | BL 3.5/6F | **1606680000** | **1615820000** | 50 |
| 7 | BL 3.5/7F | **1606690000** | **1615830000** | 50 |
| 8 | BL 3.5/8F | **1606700000** | **1615840000** | 50 |
| 9 | BL 3.5/9F | **1606710000** | **1615850000** | 50 |
| 10 | BL 3.5/10F | **1606720000** | **1615860000** | 50 |
| 11 | BL 3.5/11F | **1606730000** | **1615870000** | 50 |
| 12 | BL 3.5/12F | **1606740000** | **1615880000** | 50 |
| 13 | BL 3.5/13F | **1606750000** | **1615890000** | 50 |
| 14 | BL 3.5/14F | **1606760000** | **1615900000** | 50 |
| 15 | BL 3.5/15F | **1606770000** | **1615910000** | 50 |
| 16 | BL 3.5/16F | **1606780000** | **1615920000** | 50 |
| 17 | BL 3.5/17F | **1620760000** | **1620840000** | 20 |
| 18 | BL 3.5/18F | **1620770000** | **1620850000** | 20 |
| 19 | BL 3.5/19F | **1620780000** | **1620860000** | 20 |
| 20 | BL 3.5/20F | **1620790000** | **1620870000** | 20 |
| 21 | BL 3.5/21F | **1620800000** | **1620880000** | 20 |
| 22 | BL 3.5/22F | **1620810000** | **1620890000** | 20 |
| 23 | BL 3.5/23F | **1620820000** | **1620900000** | 20 |
| 24 | BL 3.5/24F | **1620830000** | **1620910000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | integrated in product, 195 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 204-207 |

## Socket blocks BL 3.5F BEDR

printed version




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 1.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

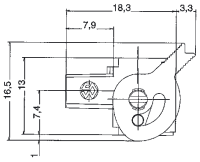
Additional technical data see page 213

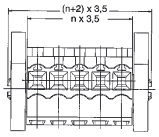
**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | BL 3.5/2F Printed | **1740711001** | 100 |
| 3 | BL 3.5/3F Printed | **1740721001** | 100 |
| 4 | BL 3.5/4F Printed | **1740731001** | 100 |
| 5 | BL 3.5/5F Printed | **1740741001** | 50 |
| 6 | BL 3.5/6F Printed | **1740751001** | 50 |
| 8 | BL 3.5/8F Printed | **1689930000** | 50 |
| 10 | BL 3.5/10F Printed | **1701730000** | 50 |
| 12 | BL 3.5/12F Printed | **1740761001** | 50 |
| 16 | BL 3.5/16F Printed | **1712261001** | 50 |
| 20 | BL 3.5/20F Printed | **1740771001** | 20 |

| Accessories | Page |
|---|---|
| Fixing | integrated in product, 195 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 204-207 |

## Socket blocks BL 3.5 LH




n = poles

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 1.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 213

**Colour**

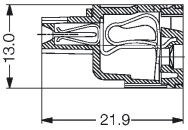
| Poles | Type | Cat. No.[1] | Cat. No.[2] | Qty. |
|---|---|---|---|---|
| 2 | BL 3.5/2LH | **1687650000** | **1687880000** | 100 |
| 3 | BL 3.5/3LH | **1687660000** | **1687890000** | 100 |
| 4 | BL 3.5/4LH | **1687670000** | **1687900000** | 100 |
| 5 | BL 3.5/5LH | **1687680000** | **1687910000** | 50 |
| 6 | BL 3.5/6LH | **1687690000** | **1687920000** | 50 |
| 7 | BL 3.5/7LH | **1687700000** | **1687930000** | 50 |
| 8 | BL 3.5/8LH | **1687710000** | **1687940000** | 50 |
| 9 | BL 3.5/9LH | **1687720000** | **1687950000** | 50 |
| 10 | BL 3.5/10LH | **1687730000** | **1687960000** | 50 |
| 11 | BL 3.5/11LH | **1687740000** | **1687970000** | 50 |
| 12 | BL 3.5/12LH | **1687750000** | **1687980000** | 50 |
| 13 | BL 3.5/13LH | **1687760000** | **1687990000** | 50 |
| 14 | BL 3.5/14LH | **1687770000** | **1688000000** | 50 |
| 15 | BL 3.5/15LH | **1687780000** | **1688010000** | 50 |
| 16 | BL 3.5/16LH | **1687790000** | **1688020000** | 50 |
| 17 | BL 3.5/17LH | **1687800000** | **1688030000** | 20 |
| 18 | BL 3.5/18LH | **1687810000** | **1688040000** | 20 |
| 19 | BL 3.5/19LH | **1687820000** | **1688050000** | 20 |
| 20 | BL 3.5/20LH | **1687830000** | **1688060000** | 20 |
| 21 | BL 3.5/21LH | **1687840000** | **1688070000** | 20 |
| 22 | BL 3.5/22LH | **1687850000** | **1688080000** | 20 |
| 23 | BL 3.5/23LH | **1687860000** | **1688090000** | 20 |
| 24 | BL 3.5/24LH | **1687870000** | **1688100000** | 20 |

[1] Release lever in black, [2] Release lever in orange

| Accessories | Page |
|---|---|
| Fixing | 195 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 204-207 |

# Omnimate Range - Pitch 3.50 mm

## Socket blocks BLZF 3.5




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 10 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 1.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

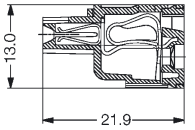
Additional technical data see page 213

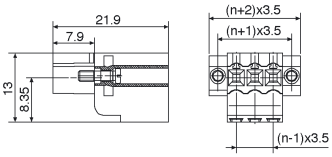
**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | BLZF 3.5/2 | **1690190000** | **1690420000** | 100 |
| 3 | BLZF 3.5/3 | **1690200000** | **1690430000** | 100 |
| 4 | BLZF 3.5/4 | **1690210000** | **1690440000** | 100 |
| 5 | BLZF 3.5/5 | **1690220000** | **1690450000** | 50 |
| 6 | BLZF 3.5/6 | **1690230000** | **1690460000** | 50 |
| 7 | BLZF 3.5/7 | **1690240000** | **1690470000** | 50 |
| 8 | BLZF 3.5/8 | **1690250000** | **1690480000** | 50 |
| 9 | BLZF 3.5/9 | **1690260000** | **1690490000** | 50 |
| 10 | BLZF 3.5/10 | **1690270000** | **1690500000** | 50 |
| 11 | BLZF 3.5/11 | **1690280000** | **1690510000** | 50 |
| 12 | BLZF 3.5/12 | **1690290000** | **1690520000** | 50 |
| 13 | BLZF 3.5/13 | **1690300000** | **1690530000** | 50 |
| 14 | BLZF 3.5/14 | **1690310000** | **1690540000** | 50 |
| 15 | BLZF 3.5/15 | **1690320000** | **1690550000** | 50 |
| 16 | BLZF 3.5/16 | **1690330000** | **1690560000** | 50 |
| 17 | BLZF 3.5/17 | **1690340000** | **1690570000** | 20 |
| 18 | BLZF 3.5/18 | **1690350000** | **1690580000** | 20 |
| 19 | BLZF 3.5/19 | **1690360000** | **1690590000** | 20 |
| 20 | BLZF 3.5/20 | **1690370000** | **1690600000** | 20 |
| 21 | BLZF 3.5/21 | **1690380000** | **1690610000** | 20 |
| 22 | BLZF 3.5/22 | **1690390000** | **1690620000** | 20 |
| 23 | BLZF 3.5/23 | **1690400000** | **1690630000** | 20 |
| 24 | BLZF 3.5/24 | **1690410000** | **1690640000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 201-207 |

## Socket blocks BLZF 3.5F




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 10 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 1.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

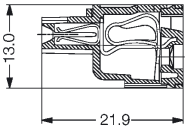
Additional technical data see page 213

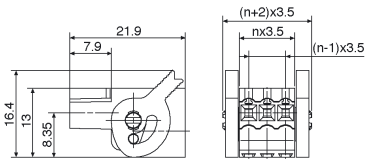
**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | BLZF 3.5/2F | **1690880000** | **1691110000** | 100 |
| 3 | BLZF 3.5/3F | **1690890000** | **1691120000** | 100 |
| 4 | BLZF 3.5/4F | **1690900000** | **1691130000** | 100 |
| 5 | BLZF 3.5/5F | **1690910000** | **1691140000** | 50 |
| 6 | BLZF 3.5/6F | **1690920000** | **1691150000** | 50 |
| 7 | BLZF 3.5/7F | **1690930000** | **1691160000** | 50 |
| 8 | BLZF 3.5/8F | **1690940000** | **1691170000** | 50 |
| 9 | BLZF 3.5/9F | **1690950000** | **1691180000** | 50 |
| 10 | BLZF 3.5/10F | **1690960000** | **1691190000** | 50 |
| 11 | BLZF 3.5/11F | **1690970000** | **1691200000** | 50 |
| 12 | BLZF 3.5/12F | **1690980000** | **1691210000** | 50 |
| 13 | BLZF 3.5/13F | **1690990000** | **1691220000** | 50 |
| 14 | BLZF 3.5/14F | **1691000000** | **1691230000** | 50 |
| 15 | BLZF 3.5/15F | **1691010000** | **1691240000** | 50 |
| 16 | BLZF 3.5/16F | **1691020000** | **1691250000** | 50 |
| 17 | BLZF 3.5/17F | **1691030000** | **1691260000** | 20 |
| 18 | BLZF 3.5/18F | **1691040000** | **1691270000** | 20 |
| 19 | BLZF 3.5/19F | **1691050000** | **1691280000** | 20 |
| 20 | BLZF 3.5/20F | **1691060000** | **1691290000** | 20 |
| 21 | BLZF 3.5/21F | **1691070000** | **1691300000** | 20 |
| 22 | BLZF 3.5/22F | **1691080000** | **1691310000** | 20 |
| 23 | BLZF 3.5/23F | **1691090000** | **1691320000** | 20 |
| 24 | BLZF 3.5/24F | **1691100000** | **1691330000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 201-207 |

## Socket blocks BLZF 3.5 LH




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 10 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 1.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 213

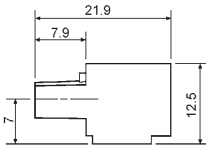
**Colour**

| Poles | Type | Cat. No.[1)] | Cat. No.[2)] | Qty. |
|---|---|---|---|---|
| 2 | BLZF 3.5/2LH | **1691570000** | **1691800000** | 100 |
| 3 | BLZF 3.5/3LH | **1691580000** | **1691810000** | 100 |
| 4 | BLZF 3.5/4LH | **1691590000** | **1691820000** | 100 |
| 5 | BLZF 3.5/5LH | **1691600000** | **1691830000** | 50 |
| 6 | BLZF 3.5/6LH | **1691610000** | **1691840000** | 50 |
| 7 | BLZF 3.5/7LH | **1691620000** | **1691850000** | 50 |
| 8 | BLZF 3.5/8LH | **1691630000** | **1691860000** | 50 |
| 9 | BLZF 3.5/9LH | **1691640000** | **1691870000** | 50 |
| 10 | BLZF 3.5/10LH | **1691650000** | **1691880000** | 50 |
| 11 | BLZF 3.5/11LH | **1691660000** | **1691890000** | 50 |
| 12 | BLZF 3.5/12LH | **1691670000** | **1691900000** | 50 |
| 13 | BLZF 3.5/13LH | **1691680000** | **1691910000** | 50 |
| 14 | BLZF 3.5/14LH | **1691690000** | **1691920000** | 50 |
| 15 | BLZF 3.5/15LH | **1691700000** | **1691930000** | 50 |
| 16 | BLZF 3.5/16LH | **1691710000** | **1691940000** | 50 |
| 17 | BLZF 3.5/17LH | **1691720000** | **1691950000** | 20 |
| 18 | BLZF 3.5/18LH | **1691730000** | **1691960000** | 20 |
| 19 | BLZF 3.5/19LH | **1691740000** | **1691970000** | 20 |
| 20 | BLZF 3.5/20LH | **1691750000** | **1691980000** | 20 |
| 21 | BLZF 3.5/21LH | **1691760000** | **1691990000** | 20 |
| 22 | BLZF 3.5/22LH | **1691770000** | **1692000000** | 20 |
| 23 | BLZF 3.5/23LH | **1691780000** | **1692010000** | 20 |
| 24 | BLZF 3.5/24LH | **1691790000** | **1692020000** | 20 |

[1)] Release lever in black, [2)] Release lever in orange

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 201-207 |


## Socket blocks BLIDC 3.5




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 6 | 7 | 7 |
| **Clamping range max.** | mm²/AWG | 0.5 | 20 | 20 |

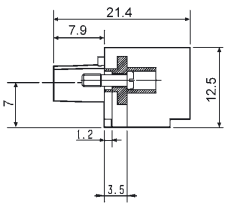
*Overvoltage category III / Pollution severity 3

Additional technical data see page 214

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLIDC 3.5/2 | **1750790000** | **1770940000** | 100 |
| 3 | BLIDC 3.5/3 | **1750800000** | **1770950000** | 100 |
| 4 | BLIDC 3.5/4 | **1750810000** | **1770960000** | 100 |
| 5 | BLIDC 3.5/5 | **1750820000** | **1770970000** | 50 |
| 6 | BLIDC 3.5/6 | **1750830000** | **1770980000** | 50 |
| 7 | BLIDC 3.5/7 | **1750840000** | **1770990000** | 50 |
| 8 | BLIDC 3.5/8 | **1750850000** | **1771000000** | 50 |
| 9 | BLIDC 3.5/9 | **1750860000** | **1771010000** | 50 |
| 10 | BLIDC 3.5/10 | **1750870000** | **1771020000** | 50 |
| 11 | BLIDC 3.5/11 | **1750880000** | **1771030000** | 50 |
| 12 | BLIDC 3.5/12 | **1750890000** | **1771040000** | 50 |
| 13 | BLIDC 3.5/13 | **1750900000** | **1771050000** | 50 |
| 14 | BLIDC 3.5/14 | **1750910000** | **1771060000** | 50 |
| 15 | BLIDC 3.5/15 | **1750920000** | **1771070000** | 50 |
| 16 | BLIDC 3.5/16 | **1750930000** | **1771080000** | 50 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 202, 208 |

## Socket blocks BLIDC 3.5F




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 6 | 7 | 7 |
| **Clamping range max.** | mm²/AWG | 0.5 | 20 | 20 |

*Overvoltage category III / Pollution severity 3

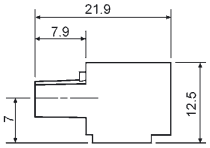
Additional technical data see page 214

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLIDC 3.5/2F | **1751090000** | **1771090000** | 100 |
| 3 | BLIDC 3.5/3F | **1751100000** | **1771100000** | 100 |
| 4 | BLIDC 3.5/4F | **1751110000** | **1771110000** | 100 |
| 5 | BLIDC 3.5/5F | **1751120000** | **1771120000** | 50 |
| 6 | BLIDC 3.5/6F | **1751130000** | **1771130000** | 50 |
| 7 | BLIDC 3.5/7F | **1751140000** | **1771140000** | 50 |
| 8 | BLIDC 3.5/8F | **1751150000** | **1771150000** | 50 |
| 9 | BLIDC 3.5/9F | **1751160000** | **1771160000** | 50 |
| 10 | BLIDC 3.5/10F | **1751170000** | **1771170000** | 50 |
| 11 | BLIDC 3.5/11F | **1751180000** | **1771180000** | 50 |
| 12 | BLIDC 3.5/12F | **1751190000** | **1771190000** | 50 |
| 13 | BLIDC 3.5/13F | **1751200000** | **1771200000** | 50 |
| 14 | BLIDC 3.5/14F | **1751210000** | **1771210000** | 50 |
| 15 | BLIDC 3.5/15F | **1751220000** | **1771220000** | 50 |
| 16 | BLIDC 3.5/16F | **1751230000** | **1771230000** | 50 |

| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 202, 208 |

## Socket blocks BLIDCB 3.5

Bus version




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 6 | 7 | 7 |
| **Clamping range max.** | mm²/AWG | 0.5 | 20 | 20 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 214

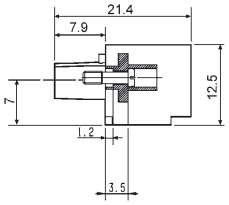
| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLIDCB 3.5/2 | **1751380000** | **1770670000** | 100 |
| 3 | BLIDCB 3.5/3 | **1751390000** | **1770680000** | 100 |
| 4 | BLIDCB 3.5/4 | **1751400000** | **1770690000** | 100 |
| 5 | BLIDCB 3.5/5 | **1751410000** | **1770700000** | 50 |
| 6 | BLIDCB 3.5/6 | **1751420000** | **1770710000** | 50 |
| 7 | BLIDCB 3.5/7 | **1751430000** | **1770720000** | 50 |
| 8 | BLIDCB 3.5/8 | **1751440000** | **1770730000** | 50 |

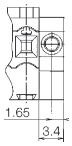
| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 208 |

# Omnimate Range - Pitch 3.50 mm

## Socket blocks BLIDCB 3.5F

Bus version




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 6 | 7 | 7 |
| **Clamping range max.** | $mm^2$/AWG | 0.5 | 20 | 20 |

*Overvoltage category III / Pollution severity 3

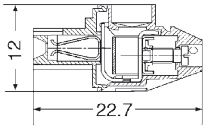
Additional technical data see page 214

**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | BLIDCB 3.5/2F | **1751450000** | **1770740000** | 100 |
| 3 | BLIDCB 3.5/3F | **1751460000** | **1770750000** | 100 |
| 4 | BLIDCB 3.5/4F | **1751470000** | **1770760000** | 100 |
| 5 | BLIDCB 3.5/5F | **1751480000** | **1770770000** | 50 |
| 6 | BLIDCB 3.5/6F | **1751490000** | **1770780000** | 50 |
| 7 | BLIDCB 3.5/7F | **1751500000** | **1770790000** | 50 |
| 8 | BLIDCB 3.5/8F | **1751510000** | **1770800000** | 50 |

| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 208 |

## Socket blocks BL 3.5/90


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 9 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 1.5 | 14 | 14 |

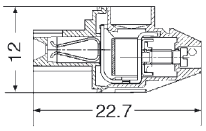
*Overvoltage category III / Pollution severity 3

Additional technical data see page 213

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BL 3.5/2/90 | **1638550000** | **1638780000** | 100 |
| 3 | BL 3.5/3/90 | **1638560000** | **1638790000** | 100 |
| 4 | BL 3.5/4/90 | **1638570000** | **1638800000** | 100 |
| 5 | BL 3.5/5/90 | **1638580000** | **1638810000** | 50 |
| 6 | BL 3.5/6/90 | **1638590000** | **1638820000** | 50 |
| 7 | BL 3.5/7/90 | **1638600000** | **1638830000** | 50 |
| 8 | BL 3.5/8/90 | **1638610000** | **1638840000** | 50 |
| 9 | BL 3.5/9/90 | **1638620000** | **1638850000** | 50 |
| 10 | BL 3.5/10/90 | **1638630000** | **1638860000** | 50 |
| 11 | BL 3.5/11/90 | **1638640000** | **1638870000** | 50 |
| 12 | BL 3.5/12/90 | **1638650000** | **1638880000** | 50 |
| 13 | BL 3.5/13/90 | **1638660000** | **1638890000** | 50 |
| 14 | BL 3.5/14/90 | **1638670000** | **1638900000** | 50 |
| 15 | BL 3.5/15/90 | **1638680000** | **1638910000** | 50 |
| 16 | BL 3.5/16/90 | **1638690000** | **1638920000** | 50 |
| 17 | BL 3.5/17/90 | **1638700000** | **1638930000** | 20 |
| 18 | BL 3.5/18/90 | **1638710000** | **1638940000** | 20 |
| 19 | BL 3.5/19/90 | **1638720000** | **1638950000** | 20 |
| 20 | BL 3.5/20/90 | **1638730000** | **1638960000** | 20 |
| 21 | BL 3.5/21/90 | **1638740000** | **1638970000** | 20 |
| 22 | BL 3.5/22/90 | **1638750000** | **1638980000** | 20 |
| 23 | BL 3.5/23/90 | **1638760000** | **1638990000** | 20 |
| 24 | BL 3.5/24/90 | **1638770000** | **1639000000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 207 |

## Socket blocks BL 3.5/90F


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 9 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 1.5 | 14 | 14 |

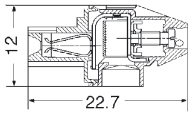
*Overvoltage category III / Pollution severity 3

Additional technical data see page 213

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BL 3.5/2/90F | **1639010000** | **1639240000** | 100 |
| 3 | BL 3.5/3/90F | **1639020000** | **1639250000** | 100 |
| 4 | BL 3.5/4/90F | **1639030000** | **1639260000** | 100 |
| 5 | BL 3.5/5/90F | **1639040000** | **1639270000** | 50 |
| 6 | BL 3.5/6/90F | **1639050000** | **1639280000** | 50 |
| 7 | BL 3.5/7/90F | **1639060000** | **1639290000** | 50 |
| 8 | BL 3.5/8/90F | **1639070000** | **1639300000** | 50 |
| 9 | BL 3.5/9/90F | **1639080000** | **1639310000** | 50 |
| 10 | BL 3.5/10/90F | **1639090000** | **1639320000** | 50 |
| 11 | BL 3.5/11/90F | **1639100000** | **1639330000** | 50 |
| 12 | BL 3.5/12/90F | **1639110000** | **1639340000** | 50 |
| 13 | BL 3.5/13/90F | **1639120000** | **1639350000** | 50 |
| 14 | BL 3.5/14/90F | **1639130000** | **1639360000** | 50 |
| 15 | BL 3.5/15/90F | **1639140000** | **1639370000** | 50 |
| 16 | BL 3.5/16/90F | **1639150000** | **1639380000** | 50 |
| 17 | BL 3.5/17/90F | **1639160000** | **1639390000** | 20 |
| 18 | BL 3.5/18/90F | **1639170000** | **1639400000** | 20 |
| 19 | BL 3.5/19/90F | **1639180000** | **1639410000** | 20 |
| 20 | BL 3.5/20/90F | **1639190000** | **1639420000** | 20 |
| 21 | BL 3.5/21/90F | **1639200000** | **1639430000** | 20 |
| 22 | BL 3.5/22/90F | **1639210000** | **1639440000** | 20 |
| 23 | BL 3.5/23/90F | **1639220000** | **1639450000** | 20 |
| 24 | BL 3.5/24/90F | **1639230000** | **1639460000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 207 |

## Socket blocks BL 3.5/270


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 9 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 1.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

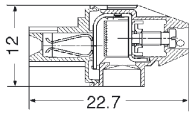
Additional technical data see page 213

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BL 3.5/2/270 | **1639470000** | **1639700000** | 100 |
| 3 | BL 3.5/3/270 | **1639480000** | **1639710000** | 100 |
| 4 | BL 3.5/4/270 | **1639490000** | **1639720000** | 100 |
| 5 | BL 3.5/5/270 | **1639500000** | **1639730000** | 50 |
| 6 | BL 3.5/6/270 | **1639510000** | **1639740000** | 50 |
| 7 | BL 3.5/7/270 | **1639520000** | **1639750000** | 50 |
| 8 | BL 3.5/8/270 | **1639530000** | **1639760000** | 50 |
| 9 | BL 3.5/9/270 | **1639540000** | **1639770000** | 50 |
| 10 | BL 3.5/10/270 | **1639550000** | **1639780000** | 50 |
| 11 | BL 3.5/11/270 | **1639560000** | **1639790000** | 50 |
| 12 | BL 3.5/12/270 | **1639570000** | **1639800000** | 50 |
| 13 | BL 3.5/13/270 | **1639580000** | **1639810000** | 50 |
| 14 | BL 3.5/14/270 | **1639590000** | **1639820000** | 50 |
| 15 | BL 3.5/15/270 | **1639600000** | **1639830000** | 50 |
| 16 | BL 3.5/16/270 | **1639610000** | **1639840000** | 50 |
| 17 | BL 3.5/17/270 | **1639620000** | **1639850000** | 20 |
| 18 | BL 3.5/18/270 | **1639630000** | **1639860000** | 20 |
| 19 | BL 3.5/19/270 | **1639640000** | **1639870000** | 20 |
| 20 | BL 3.5/20/270 | **1639650000** | **1639880000** | 20 |
| 21 | BL 3.5/21/270 | **1639660000** | **1639890000** | 20 |
| 22 | BL 3.5/22/270 | **1639670000** | **1639900000** | 20 |
| 23 | BL 3.5/23/270 | **1639680000** | **1639910000** | 20 |
| 24 | BL 3.5/24/270 | **1639690000** | **1639920000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 207 |

# Omnimate Range - Pitch 3.50 mm

## Socket blocks BL 3.5/270F




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 160* | 300 | 300 |
| **Rated current** | A | 9 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 1.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 213

**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | BL 3.5/2/270F | **1639930000** | **1640160000** | 100 |
| 3 | BL 3.5/3/270F | **1639940000** | **1640170000** | 100 |
| 4 | BL 3.5/4/270F | **1639950000** | **1640180000** | 100 |
| 5 | BL 3.5/5/270F | **1639960000** | **1640190000** | 50 |
| 6 | BL 3.5/6/270F | **1639970000** | **1640200000** | 50 |
| 7 | BL 3.5/7/270F | **1639980000** | **1640210000** | 50 |
| 8 | BL 3.5/8/270F | **1639990000** | **1640220000** | 50 |
| 9 | BL 3.5/9/270F | **1640000000** | **1640230000** | 50 |
| 10 | BL 3.5/10/270F | **1640010000** | **1640240000** | 50 |
| 11 | BL 3.5/11/270F | **1640020000** | **1640250000** | 50 |
| 12 | BL 3.5/12/270F | **1640030000** | **1640260000** | 50 |
| 13 | BL 3.5/13/270F | **1640040000** | **1640270000** | 50 |
| 14 | BL 3.5/14/270F | **1640050000** | **1640280000** | 50 |
| 15 | BL 3.5/15/270F | **1640060000** | **1640290000** | 50 |
| 16 | BL 3.5/16/270F | **1640070000** | **1640300000** | 50 |
| 17 | BL 3.5/17/270F | **1640080000** | **1640310000** | 20 |
| 18 | BL 3.5/18/270F | **1640090000** | **1640320000** | 20 |
| 19 | BL 3.5/19/270F | **1640100000** | **1640330000** | 20 |
| 20 | BL 3.5/20/270F | **1640110000** | **1640340000** | 20 |
| 21 | BL 3.5/21/270F | **1640120000** | **1640350000** | 20 |
| 22 | BL 3.5/22/270F | **1640130000** | **1640360000** | 20 |
| 23 | BL 3.5/23/270F | **1640140000** | **1640370000** | 20 |
| 24 | BL 3.5/24/270F | **1640150000** | **1640380000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 207 |

new

# BL I/O 3.5

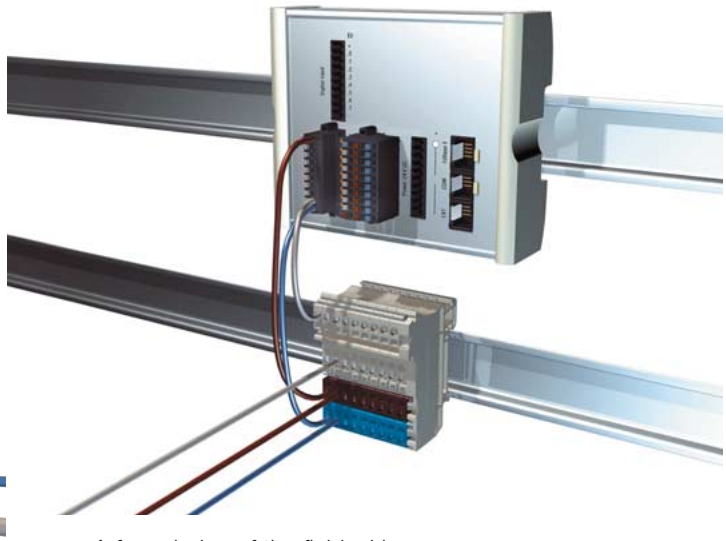
**The pluggable connection level for I/O-systems**

BL I/O 3.5 combines the advantages of rail mounted sensor/actuator connection systems with the compactness of our connector system BL 3.5/SL 3.5. The plug offers eight 3-channel Input/Outputs and in addition six cross-connect levels for feeding and distribution of supply voltage. Integrated cross-connections ensure the potential distribution for the I/O-channels.

With the single-version of BL I/O 3.5 conventional rail mounted connection levels can also be used, e.g. ZIK•ZAK - the modular I/O-connection system with tension clamp cable termination. This flexibility enables a free choice at the field connection level and is independent of the design of the electronics. The BL I/O 3.5 variant with integrated signal-state LEDs allows a check of the sensor status. This is independent of the control unit.

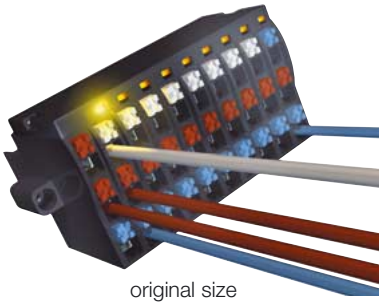
**Application:**
- decentralised I/O
- compact PLC
- IPC

**Advantages:**
- full functionality of an 8-channel I/O-connection level
- simple and rapid wiring
- integrated state LEDs
- variable distribution of the supply voltage
- design of the I/O-electronics is independent of the field connection level

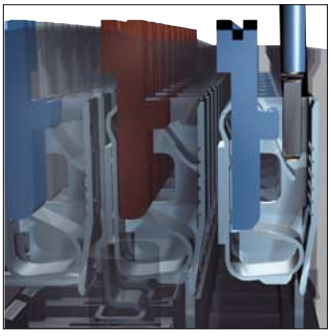


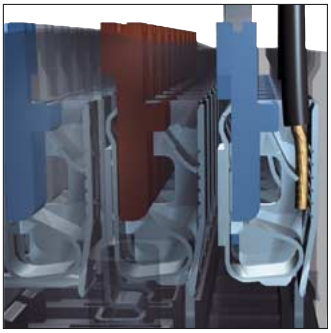
- A free choice of the field wiring: with conventional rail mounted connection systems or our compact BL I/O 3.5 system.

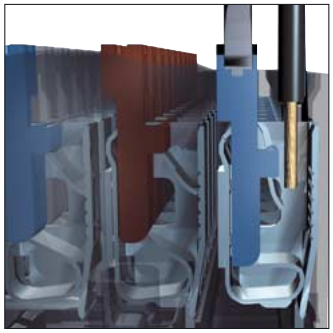
- Integrated LEDs show the status of the connected sensors and actuators during commissioning.



original size

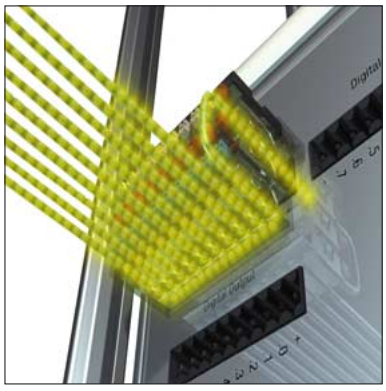






- The spring connection technique guarantees very easy operation: solid or ferruled conductors, and even flexible conductors without ferrules can be connected without a tool and disconnected very easily at the touch of a button.

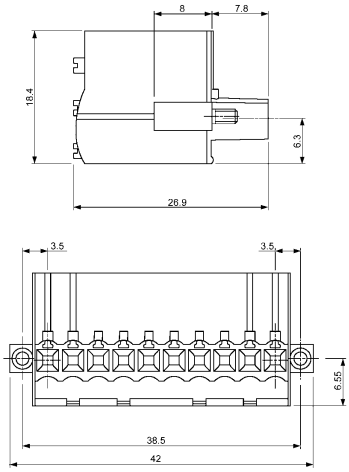
- Six cross-connect levels enable feeding and distribution of the supply power.
- Integrated cross-connections provide the potential distribution to the individual I/O-channels.




## Socket blocks BL-I/O 3.5/30F

new

Connection of eight 3-wire sensors/actuators, integrated potential distribution, six jumpering contacts for voltage feeding/distribution.




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 50* | 50 | 50 |
| **Rated current** | A | 2 | 5 | 5 |
| **Total current carrying capacity** | A | 10 | – | – |
| **Clamping range max.** | $mm^2$/AWG | 1.5 | 16 | 16 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 214

**Colour**

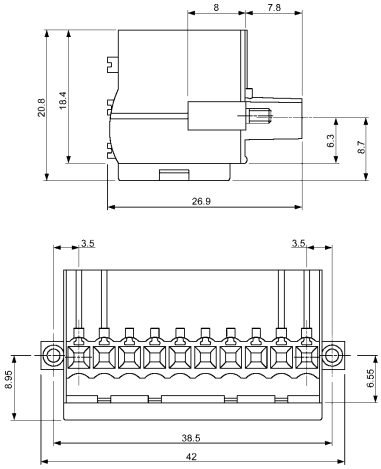
| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 30 | BL-I/O 3.5/30F | **1779920000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

## Socket blocks BL-I/O 3.5/30F LED

new

Connection of eight 3-wire sensors/actuators, integrated potential distribution, integrated LEDs, six jumpering contacts for voltage feeding/distribution.




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 24* | 24 | 24 |
| **Rated current** | A | 2 | 5 | 5 |
| **Total current carrying capacity** | A | 10 | – | – |
| **Clamping range max.** | $mm^2$/AWG | 1.5 | 16 | 16 |

*Overvoltage category III / Pollution severity 2

Additional technical data see page 214

**Colour**

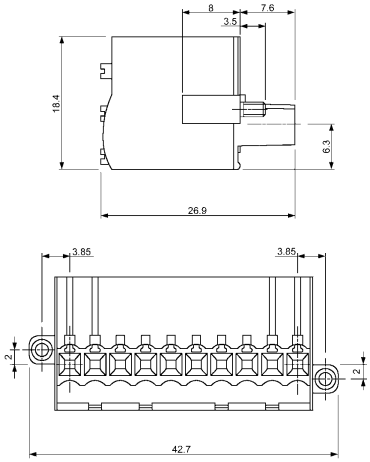
| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 30 | BL-I/O 3.5/30F LED | **1789110000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

## Socket blocks BL-I/O 3.5/30FP

new

Connection of eight 3-wire sensors/actuators, integrated potential distribution, six jumpering contacts for voltage feeding/distribution, compact flanges for bolting the socket connector to the front of a device.




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 50* | 50 | 50 |
| **Rated current** | A | 2 | 5 | 5 |
| **Total current carrying capacity** | A | 10 | – | – |
| **Clamping range max.** | $mm^2$/AWG | 1.5 | 16 | 16 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 214

**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 30 | BL-I/O 3.5/30FP | **1779910000** | 20 |

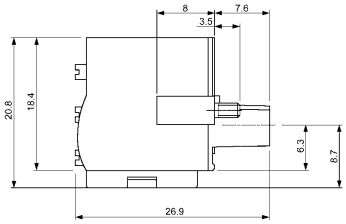
| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

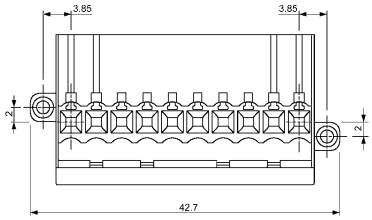
# Omnimate Range - Pitch 3.50 mm


## Socket blocks BL-I/O 3.5/30FP LED

new

Connection of eight 3-wire sensors/actuators, integrated potential distribution, integrated, LEDs, six jumpering contacts for voltage feeding/distribution, compact flanges for bolting the socket connector to the front of a device.




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 24* | 24 | 24 |
| **Rated current** | A | 2 | 5 | 5 |
| **Total current carrying capacity** | A | 10 | – | – |
| **Clamping range max.** | $mm^2$/AWG | 1.5 | 16 | 16 |

*Overvoltage category III / Pollution severity 2

Additional technical data see page 214

**Colour**

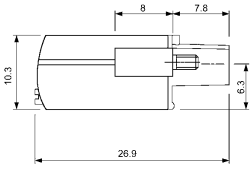
| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 30 | BL-I/O 3.5/30FP LED | **178910000** | 20 |

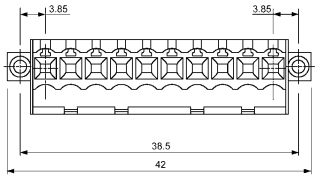
| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

## Socket blocks BL-I/O 3.5/10F

new

Connection of eight signal leads, two contacts for voltage feeding.




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 50* | 50 | 50 |
| **Rated current** | A | 2 | 5 | 5 |
| **Total current carrying capacity** | A | 10 | – | – |
| **Clamping range max.** | $mm^2$/AWG | 1.5 | 16 | 16 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 214

**Colour**

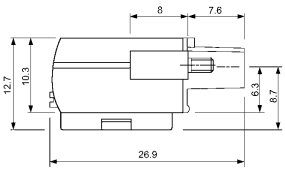
| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 10 | BL-I/O 3.5/10F | **1779880000** | 20 |

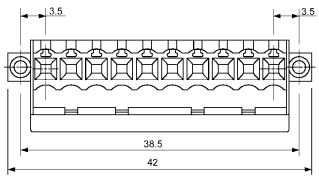
| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

## Socket blocks BL-I/O 3.5/10F LED

new

Connection of eight signal leads, integrated LEDs, two contacts for voltage feeding.




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 24* | 24 | 24 |
| **Rated current** | A | 2 | 5 | 5 |
| **Total current carrying capacity** | A | 10 | – | – |
| **Clamping range max.** | $mm^2$/AWG | 1.5 | 16 | 16 |

*Overvoltage category III / Pollution severity 2

Additional technical data see page 214

**Colour**

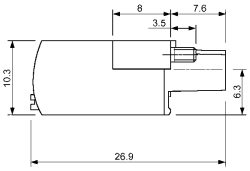
| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 10 | BL-I/O 3.5/10F LED | **1789090000** | 20 |

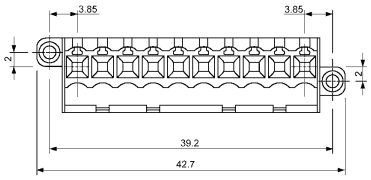
| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

## Socket blocks BL-I/O 3.5/10FP

new

Connection of eight signal leads, two contacts for voltage feeding, compact flanges for bolting the socket connector to the front of a device.




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 50* | 50 | 50 |
| **Rated current** | A | 2 | 5 | 5 |
| **Total current carrying capacity** | A | 10 | – | – |
| **Clamping range max.** | $mm^2$/AWG | 1.5 | 16 | 16 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 214

**Colour**

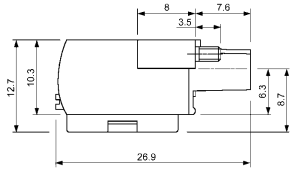
| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 10 | BL-I/O 3.5/10FP | **1779870000** | 20 |

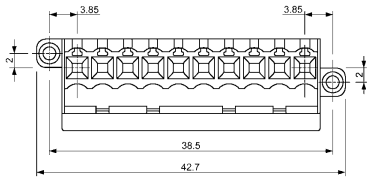
| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

## Socket blocks BL-I/O 3.5/10FP LED

new

Connection of eight signal leads, integrated LEDs, two contacts for voltage feeding, compact flanges for bolting the socket connector to the front of a device.




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 24* | 24 | 24 |
| **Rated current** | A | 2 | 5 | 5 |
| **Total current carrying capacity** | A | 10 | – | – |
| **Clamping range max.** | $mm^2$/AWG | 1.5 | 16 | 16 |

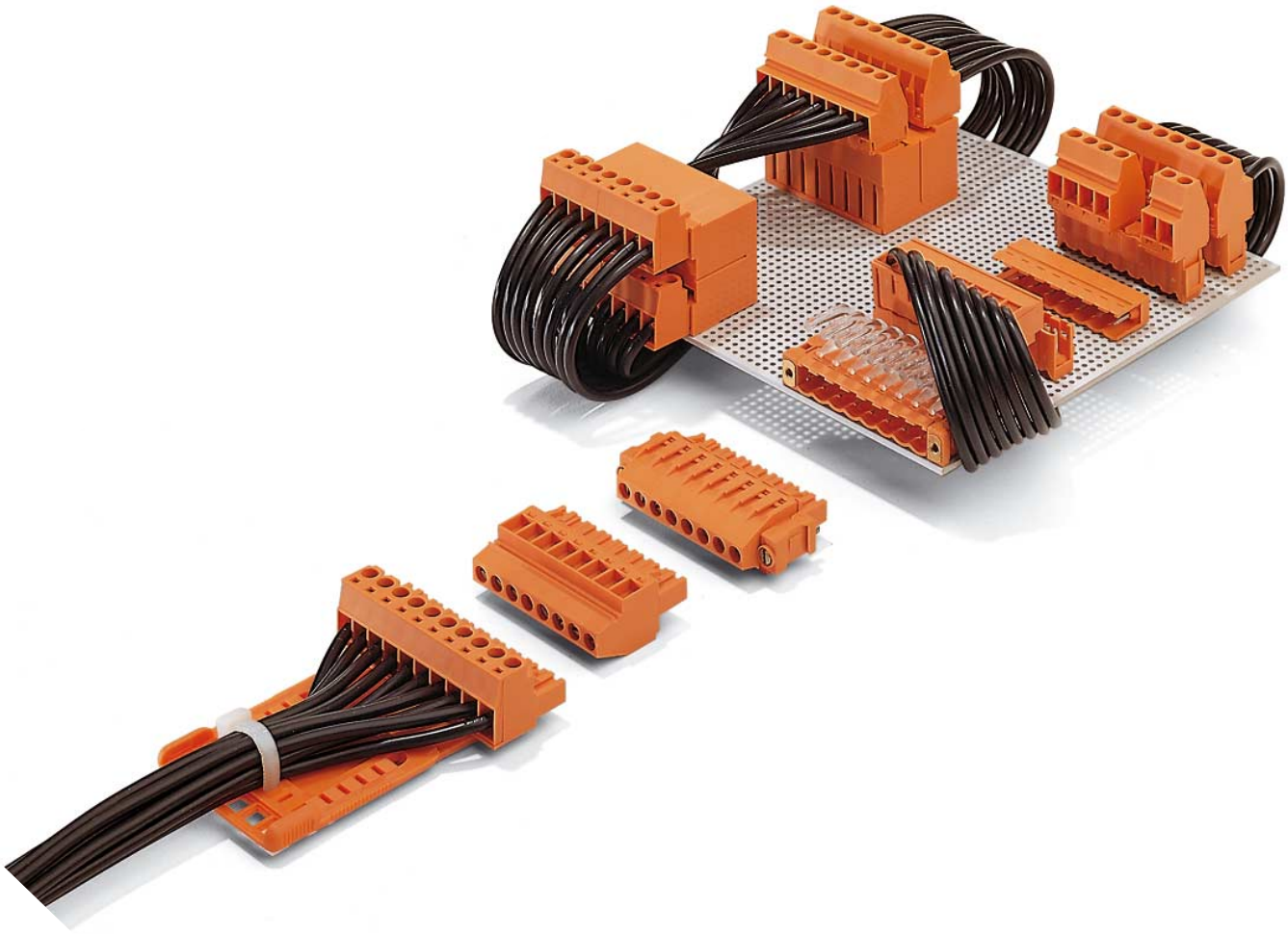
*Overvoltage category III / Pollution severity 2

Additional technical data see page 214

**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 10 | BL-I/O 3.5/10FP LED | **1789080000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |



## Omnimate Range - Pitch 5.00 mm and 5.08 mm

The **Omnimate Range** offers a free choice of the connecting technique. Everything is possible with the socket blocks and pin plugs: leaf spring, clamping yoke, tension clamp, TOP, crimp, and IDC connections.

This versatility brings substantial benefits: You design your printed circuit board with a 3.5/5/7mm pitch component and are able to combine different field connections with it – as it is required by end customers and market.

The comprehensive assortment of pin headers and socket blocks, the multitude of different angles between pcb, connectors and conductors in the field, and the large selection of accessories permit the **Omnimate Range** to be used in a variety of applications.

For example: motor control, free wiring of initiators and actuators, in interface elements or in power supply units.

**Product features overview:**

- free selection of the connecting technique
- easy to use
- end-to-end stacking without loss of pitch
- thermoplastic polyester (PBT), or Liquid Crystal Polymer (LCP) is used as insulation material that is flame-resistant according to UL 94 V-0
- large selection of accessories

With our socket blocks and pin headers in **5.00 mm and 5.08 mm pitch** Weidmueller offers the largest variety of connection technigues than any other connector manufacturer. Leaf spring, clamping yoke, tension clamp, TOP, crimp, and IDC-connection.

The socket blocks can be combined with all single and double-level pin headers with conductor angle of 90°, 135° and 180°. And, of course, with our innovative **SL-SMT 5.00/5.08 pin headers** (Through-Hole-Reflow).

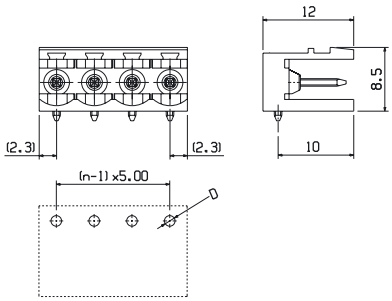
**5.00/5.08 mm pitch:**

- all pin headers and socket blocks can be combined as required
- two pitch dimensions:
  5.00 mm (metric)
  5.08 mm (0.2 inch, imperial)
- voltages up to 250 V,
  currents up to 12 A,
  conductor cross-sections up to 2.5 $mm^2$

# Omnimate Range - Pitch 5.00 mm

## Pin headers SL-SMT 5.00/90

new




D = up tp 8 poles Ø 1.4 $^{+0.1}$
from 9 poles Ø 1.5 $^{+0.1}$

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 15 | 10 | 10 |

*Overvoltage category III / Pollution severity 3
Additional technical data see page 215

**Solder pin length** **1.5 mm**
**Tape-on-Reel**
**Colour** ●
**Tape width** **56 mm**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SL-SMT 5.00/2/90 | **1797620000** | 250 |
| 3 | SL-SMT 5.00/3/90 | **1797630000** | 250 |
| 4 | SL-SMT 5.00/4/90 | **1797640000** | 250 |
| 5 | SL-SMT 5.00/5/90 | **1797650000** | 250 |
| 6 | SL-SMT 5.00/6/90 | **1797660000** | 250 |
| 7 | SL-SMT 5.00/7/90 | **1797670000** | 250 |
| 8 | SL-SMT 5.00/8/90 | **1797680000** | 250 |

**For detailed product and application information for SMT see chapter “Other Applications” page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 198,199 |
| Miscellaneous | 205 |

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 15 | 10 | 10 |

*Overvoltage category III / Pollution severity 3
Additional technical data see page 215

**Solder pin length** **1.5 mm**
**Standard Box**
**Colour** ●

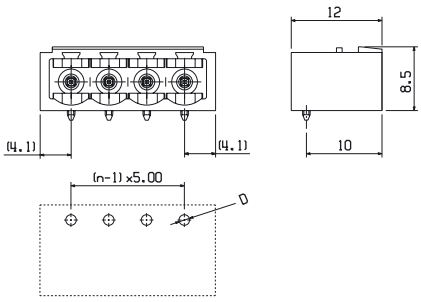
| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SL-SMT 5.00/2/90 | **1796930000** | 100 |
| 3 | SL-SMT 5.00/3/90 | **1796940000** | 100 |
| 4 | SL-SMT 5.00/4/90 | **1796950000** | 100 |
| 5 | SL-SMT 5.00/5/90 | **1796960000** | 50 |
| 6 | SL-SMT 5.00/6/90 | **1796970000** | 50 |
| 7 | SL-SMT 5.00/7/90 | **1796980000** | 50 |
| 8 | SL-SMT 5.00/8/90 | **1796990000** | 50 |
| 9 | SL-SMT 5.00/9/90 | **1797000000** | 50 |
| 10 | SL-SMT 5.00/10/90 | **1797010000** | 50 |
| 11 | SL-SMT 5.00/11/90 | **1797020000** | 50 |
| 12 | SL-SMT 5.00/12/90 | **1797030000** | 50 |
| 13 | SL-SMT 5.00/13/90 | **1797040000** | 50 |
| 14 | SL-SMT 5.00/14/90 | **1797050000** | 50 |
| 15 | SL-SMT 5.00/15/90 | **1797060000** | 50 |
| 16 | SL-SMT 5.00/16/90 | **1797070000** | 50 |

**For detailed product and application information for SMT see chapter “Other Applications” page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 198,199 |
| Miscellaneous | 205 |

## Pin headers SL-SMT 5.00/90G

new




D = up to 8 poles Ø 1.4 $^{+0.1}$
from 9 poles Ø 1.5 $^{+0.1}$

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 15 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 215

**Solder pin length** **1.5 mm**
**Tape-on-Reel**
**Colour** ●
**Tape width** **56 mm**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SL-SMT 5.00/2/90G | **1797690000** | 250 |
| 3 | SL-SMT 5.00/3/90G | **1797700000** | 250 |
| 4 | SL-SMT 5.00/4/90G | **1797710000** | 250 |
| 5 | SL-SMT 5.00/5/90G | **1797720000** | 250 |
| 6 | SL-SMT 5.00/6/90G | **1797730000** | 250 |
| 7 | SL-SMT 5.00/7/90G | **1797740000** | 250 |

**For detailed product and application information for SMT see chapter “Other Applications” page 180-188.**

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 15 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 215

**Solder pin length** **1.5 mm**
**Standard Box**
**Colour** ●

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SL-SMT 5.00/2/90G | **1797080000** | 100 |
| 3 | SL-SMT 5.00/3/90G | **1797090000** | 100 |
| 4 | SL-SMT 5.00/4/90G | **1797100000** | 100 |
| 5 | SL-SMT 5.00/5/90G | **1797110000** | 50 |
| 6 | SL-SMT 5.00/6/90G | **1797120000** | 50 |
| 7 | SL-SMT 5.00/7/90G | **1797130000** | 50 |
| 8 | SL-SMT 5.00/8/90G | **1797140000** | 36 |
| 9 | SL-SMT 5.00/9/90G | **1797150000** | 50 |
| 10 | SL-SMT 5.00/10/90G | **1797160000** | 50 |
| 11 | SL-SMT 5.00/11/90G | **1797170000** | 50 |
| 12 | SL-SMT 5.00/12/90G | **1797180000** | 50 |
| 13 | SL-SMT 5.00/13/90G | **1797190000** | 50 |
| 14 | SL-SMT 5.00/14/90G | **1797200000** | 50 |
| 15 | SL-SMT 5.00/15/90G | **1797210000** | 50 |
| 16 | SL-SMT 5.00/16/90G | **1797220000** | 50 |

**For detailed product and application information for SMT see chapter “Other Applications” page 180-188.**

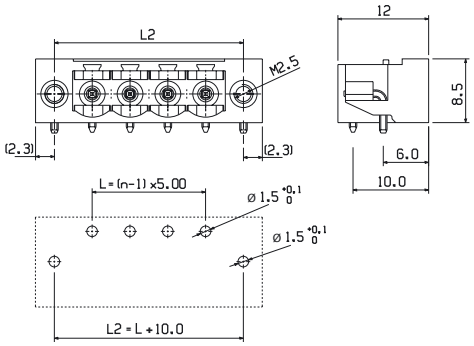
| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 198,199 |
| Miscellaneous | 205 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 198,199 |
| Miscellaneous | 205 |

# Omnimate Range - Pitch 5.00 mm

## Pin headers SL-SMT 5.00/90LF

new




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 15 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 215

**Solder pin length** **1.5 mm**
**Tape-on-Reel**
**Colour** ●
**Tape width** **56 mm**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SL-SMT 5.00/2/90LF | **1797750000** | 250 |
| 3 | SL-SMT 5.00/3/90LF | **1797760000** | 250 |
| 4 | SL-SMT 5.00/4/90LF | **1797770000** | 250 |
| 5 | SL-SMT 5.00/5/90LF | **1797780000** | 250 |
| 6 | SL-SMT 5.00/6/90LF | **1797790000** | 250 |

**For detailed product and application information for SMT see chapter “Other Applications” page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 196 |
| Coding | 198,199 |
| Miscellaneous | 205 |

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 15 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 215

**Solder pin length** **1.5 mm**
**Standard Box**
**Colour** ●

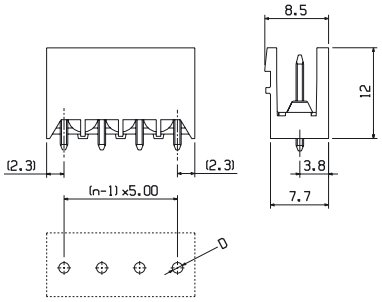
| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SL-SMT 5.00/2/90LF | **1797230000** | 100 |
| 3 | SL-SMT 5.00/3/90LF | **1797240000** | 100 |
| 4 | SL-SMT 5.00/4/90LF | **1797250000** | 100 |
| 5 | SL-SMT 5.00/5/90LF | **1797260000** | 50 |
| 6 | SL-SMT 5.00/6/90LF | **1797270000** | 50 |
| 7 | SL-SMT 5.00/7/90LF | **1797280000** | 50 |
| 8 | SL-SMT 5.00/8/90LF | **1797290000** | 50 |
| 9 | SL-SMT 5.00/9/90LF | **1797300000** | 50 |
| 10 | SL-SMT 5.00/10/90LF | **1797310000** | 50 |
| 11 | SL-SMT 5.00/11/90LF | **1797320000** | 50 |
| 12 | SL-SMT 5.00/12/90LF | **1797330000** | 50 |
| 13 | SL-SMT 5.00/13/90LF | **1797340000** | 50 |
| 14 | SL-SMT 5.00/14/90LF | **1797350000** | 50 |
| 15 | SL-SMT 5.00/15/90LF | **1797360000** | 50 |
| 16 | SL-SMT 5.00/16/90LF | **1797370000** | 50 |

**For detailed product and application information for SMT see chapter “Other Applications” page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 196 |
| Coding | 198,199 |
| Miscellaneous | 205 |

## Pin headers SL-SMT 5.00/180

new




D = up tp 8 poles Ø 1.4 +0.1
from 9 poles Ø 1.5 +0.1

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 15 | 10 | 10 |

*Overvoltage category III / Pollution severity 3
Additional technical data see page 215

**Solder pin length** **1.5 mm**
**Tape-on-Reel**
**Colour** ●
**Tape width** **56 mm**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SL-SMT 5.00/2/180 | **1797800000** | 200 |
| 3 | SL-SMT 5.00/3/180 | **1797810000** | 200 |
| 4 | SL-SMT 5.00/4/180 | **1797820000** | 200 |
| 5 | SL-SMT 5.00/5/180 | **1797830000** | 200 |
| 6 | SL-SMT 5.00/6/180 | **1797840000** | 200 |
| 7 | SL-SMT 5.00/7/180 | **1797850000** | 200 |
| 8 | SL-SMT 5.00/8/180 | **1797860000** | 200 |

**For detailed product and application information for SMT see chapter “Other Applications” page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 198, 199 |
| Miscellaneous | – |

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 15 | 10 | 10 |

*Overvoltage category III / Pollution severity 3
Additional technical data see page 215

**Solder pin length** **1.5 mm**
**Standard Box**
**Colour** ●

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SL-SMT 5.00/2/180 | **1796480000** | 100 |
| 3 | SL-SMT 5.00/3/180 | **1796490000** | 100 |
| 4 | SL-SMT 5.00/4/180 | **1796500000** | 100 |
| 5 | SL-SMT 5.00/5/180 | **1796510000** | 50 |
| 6 | SL-SMT 5.00/6/180 | **1796520000** | 50 |
| 7 | SL-SMT 5.00/7/180 | **1796530000** | 50 |
| 8 | SL-SMT 5.00/8/180 | **1796540000** | 50 |
| 9 | SL-SMT 5.00/9/180 | **1796550000** | 50 |
| 10 | SL-SMT 5.00/10/180 | **1796560000** | 50 |
| 11 | SL-SMT 5.00/11/180 | **1796570000** | 50 |
| 12 | SL-SMT 5.00/12/180 | **1796580000** | 50 |
| 13 | SL-SMT 5.00/13/180 | **1796590000** | 50 |
| 14 | SL-SMT 5.00/14/180 | **1796600000** | 50 |
| 15 | SL-SMT 5.00/15/180 | **1796610000** | 50 |
| 16 | SL-SMT 5.00/16/180 | **1796620000** | 50 |

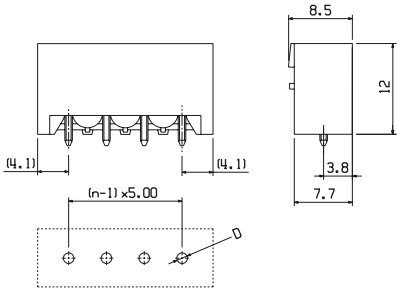
**For detailed product and application information for SMT see chapter “Other Applications” page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 198, 199 |
| Miscellaneous | – |

# Omnimate Range - Pitch 5.00 mm


## Pin headers SL-SMT 5.00/180G

new




D = up tp 8 poles Ø 1.4 $^{+0.1}$
from 9 poles Ø 1.5 $^{+0.1}$

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 15 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 215

**Solder pin length** **1.5 mm**
**Tape-on-Reel**
**Colour** ●
**Tape width** **56 mm**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SL-SMT 5.00/2/180G | **1797870000** | 200 |
| 3 | SL-SMT 5.00/3/180G | **1797880000** | 200 |
| 4 | SL-SMT 5.00/4/180G | **1797890000** | 200 |
| 5 | SL-SMT 5.00/5/180G | **1797900000** | 200 |
| 6 | SL-SMT 5.00/6/180G | **1797910000** | 200 |
| 7 | SL-SMT 5.00/7/180G | **1797920000** | 200 |

**For detailed product and application information for SMT see chapter “Other Applications” page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 192, 193 |
| Miscellaneous | – |

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 15 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 215

**Solder pin length** **1.5 mm**
**Standard Box**
**Colour** ●

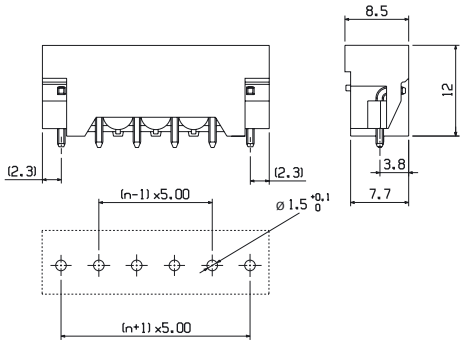
| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SL-SMT 5.00/2/180G | **1796630000** | 100 |
| 3 | SL-SMT 5.00/3/180G | **1796640000** | 100 |
| 4 | SL-SMT 5.00/4/180G | **1796650000** | 100 |
| 5 | SL-SMT 5.00/5/180G | **1796660000** | 50 |
| 6 | SL-SMT 5.00/6/180G | **1796670000** | 50 |
| 7 | SL-SMT 5.00/7/180G | **1796680000** | 50 |
| 8 | SL-SMT 5.00/8/180G | **1796690000** | 50 |
| 9 | SL-SMT 5.00/9/180G | **1796700000** | 50 |
| 10 | SL-SMT 5.00/10/180G | **1796710000** | 50 |
| 11 | SL-SMT 5.00/11/180G | **1796720000** | 50 |
| 12 | SL-SMT 5.00/12/180G | **1796730000** | 50 |
| 13 | SL-SMT 5.00/13/180G | **1796740000** | 50 |
| 14 | SL-SMT 5.00/14/180G | **1796750000** | 50 |
| 15 | SL-SMT 5.00/15/180G | **1796760000** | 50 |
| 16 | SL-SMT 5.00/16/180G | **1796770000** | 50 |

**For detailed product and application information for SMT see chapter “Other Applications” page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 192, 193 |
| Miscellaneous | – |

## Pin headers SL-SMT 5.00/180LF

new




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 250* | 300 | 300 |
| Rated current | A | 15 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 215

**Solder pin length** 1.5 mm
**Tape-on-Reel**
**Colour** ●
**Tape width** 56 mm

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SL-SMT 5.00/2/180LF | **1797930000** | 200 |
| 3 | SL-SMT 5.00/3/180LF | **1797940000** | 200 |
| 4 | SL-SMT 5.00/4/180LF | **1797950000** | 200 |
| 5 | SL-SMT 5.00/5/180LF | **1797960000** | 200 |
| 6 | SL-SMT 5.00/6/180LF | **1797970000** | 200 |

**For detailed product and application information for SMT see chapter “Other Applications” page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 196 |
| Coding | 198,199 |
| Miscellaneous | – |

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 250* | 300 | 300 |
| Rated current | A | 15 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 215

**Solder pin length** 1.5 mm
**Standard Box**
**Colour** ●

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SL-SMT 5.00/2/180LF | **1796780000** | 100 |
| 3 | SL-SMT 5.00/3/180LF | **1796790000** | 100 |
| 4 | SL-SMT 5.00/4/180LF | **1796800000** | 100 |
| 5 | SL-SMT 5.00/5/180LF | **1796810000** | 50 |
| 6 | SL-SMT 5.00/6/180LF | **1796820000** | 50 |
| 7 | SL-SMT 5.00/7/180LF | **1796830000** | 50 |
| 8 | SL-SMT 5.00/8/180LF | **1796840000** | 50 |
| 9 | SL-SMT 5.00/9/180LF | **1796850000** | 50 |
| 10 | SL-SMT 5.00/10/180LF | **1796860000** | 50 |
| 11 | SL-SMT 5.00/11/180LF | **1796870000** | 50 |
| 12 | SL-SMT 5.00/12/180LF | **1796880000** | 50 |
| 13 | SL-SMT 5.00/13/180LF | **1796890000** | 50 |
| 14 | SL-SMT 5.00/14/180LF | **1796900000** | 50 |
| 15 | SL-SMT 5.00/15/180LF | **1796910000** | 50 |
| 16 | SL-SMT 5.00/16/180LF | **1796920000** | 50 |

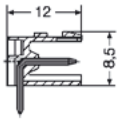
**For detailed product and application information for SMT see chapter “Other Applications” page 180-188.**

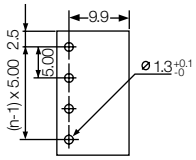
| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 196 |
| Coding | 198,199 |
| Miscellaneous | – |

# Omnimate Range - Pitch 5.00 mm

## Pin headers SL 5.00/90








| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 250* | 300 | 300 |
| Rated current | A | 12 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

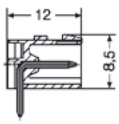
Additional technical data see page 216

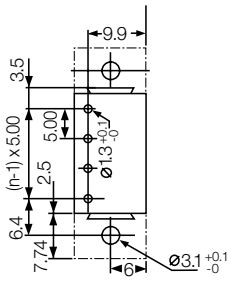
| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | SL 5.00/2/90 | **1571130000** | **1625990000** | 100 |
| 3 | SL 5.00/3/90 | **1571140000** | **1626000000** | 100 |
| 4 | SL 5.00/4/90 | **1571150000** | **1626010000** | 100 |
| 5 | SL 5.00/5/90 | **1571160000** | **1626020000** | 50 |
| 6 | SL 5.00/6/90 | **1571170000** | **1596180000** | 50 |
| 7 | SL 5.00/7/90 | **1571180000** | **1626030000** | 50 |
| 8 | SL 5.00/8/90 | **1571190000** | **1626040000** | 50 |
| 9 | SL 5.00/9/90 | **1571200000** | **1626050000** | 50 |
| 10 | SL 5.00/10/90 | **1571210000** | **1626060000** | 50 |
| 11 | SL 5.00/11/90 | **1571220000** | **1626070000** | 50 |
| 12 | SL 5.00/12/90 | **1571110000** | **1626080000** | 50 |
| 13 | SL 5.00/13/90 | **1571230000** | **1626090000** | 50 |
| 14 | SL 5.00/14/90 | **1571240000** | **1626100000** | 50 |
| 15 | SL 5.00/15/90 | **1571250000** | **1626110000** | 50 |
| 16 | SL 5.00/16/90 | **1571260000** | **1626120000** | 50 |
| 17 | SL 5.00/17/90 | **1571270000** | **1626130000** | 20 |
| 18 | SL 5.00/18/90 | **1571280000** | **1626140000** | 20 |
| 19 | SL 5.00/19/90 | **1571290000** | **1626150000** | 20 |
| 20 | SL 5.00/20/90 | **1571300000** | **1626160000** | 20 |
| 21 | SL 5.00/21/90 | **1571310000** | **1626170000** | 20 |
| 22 | SL 5.00/22/90 | **1571320000** | **1626180000** | 20 |
| 23 | SL 5.00/23/90 | **1571330000** | **1626190000** | 20 |
| 24 | SL 5.00/24/90 | **1571340000** | **1626200000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 198, 199 |
| Miscellaneous | 205 |

## Pin headers SL 5.00/90B








| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 250* | 300 | 300 |
| Rated current | A | 12 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

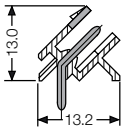
Additional technical data see page 216

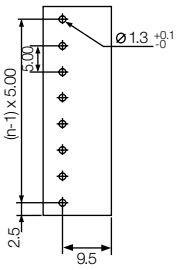
| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | SL 5.00/2/90B | **1580860000** | **1626210000** | 100 |
| 3 | SL 5.00/3/90B | **1580870000** | **1626220000** | 100 |
| 4 | SL 5.00/4/90B | **1580880000** | **1596150000** | 100 |
| 5 | SL 5.00/5/90B | **1580890000** | **1626230000** | 50 |
| 6 | SL 5.00/6/90B | **1580900000** | **1626240000** | 50 |
| 7 | SL 5.00/7/90B | **1580910000** | **1596160000** | 50 |
| 8 | SL 5.00/8/90B | **1580920000** | **1626250000** | 50 |
| 9 | SL 5.00/9/90B | **1580930000** | **1626260000** | 50 |
| 10 | SL 5.00/10/90B | **1580940000** | **1596170000** | 50 |
| 11 | SL 5.00/11/90B | **1580950000** | **1626270000** | 50 |
| 12 | SL 5.00/12/90B | **1580960000** | **1603320000** | 50 |
| 13 | SL 5.00/13/90B | **1580970000** | **1626280000** | 50 |
| 14 | SL 5.00/14/90B | **1580980000** | **1626290000** | 50 |
| 15 | SL 5.00/15/90B | **1580990000** | **1626300000** | 50 |
| 16 | SL 5.00/16/90B | **1581000000** | **1603330000** | 50 |
| 17 | SL 5.00/17/90B | **1581010000** | **1626310000** | 20 |
| 18 | SL 5.00/18/90B | **1581020000** | **1626320000** | 20 |
| 19 | SL 5.00/19/90B | **1581030000** | **1626330000** | 20 |
| 20 | SL 5.00/20/90B | **1581040000** | **1626340000** | 20 |
| 21 | SL 5.00/21/90B | **1581050000** | **1626350000** | 20 |
| 22 | SL 5.00/22/90B | **1581060000** | **1626360000** | 20 |
| 23 | SL 5.00/23/90B | **1581070000** | **1626370000** | 20 |
| 24 | SL 5.00/24/90B | **1581080000** | **1626380000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 198, 199 |
| Miscellaneous | 205 |

## Pin headers SL 5.00/135








| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 250* | 300 | 300 |
| Rated current | A | 12 | 10 | 10 |

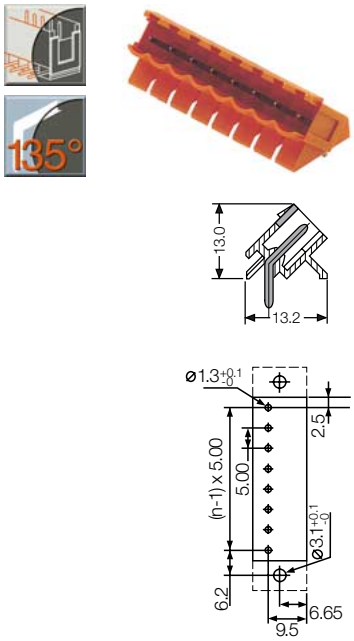
*Overvoltage category III / Pollution severity 3

Additional technical data see page 216

| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | SL 5.00/2/135 | **1630250000** | **1630820000** | 100 |
| 3 | SL 5.00/3/135 | **1630260000** | **1630830000** | 100 |
| 4 | SL 5.00/4/135 | **1630270000** | **1630840000** | 100 |
| 5 | SL 5.00/5/135 | **1630280000** | **1630850000** | 50 |
| 6 | SL 5.00/6/135 | **1630290000** | **1630860000** | 50 |
| 7 | SL 5.00/7/135 | **1630300000** | **1630870000** | 50 |
| 8 | SL 5.00/8/135 | **1630310000** | **1630880000** | 50 |
| 9 | SL 5.00/9/135 | **1630320000** | **1630890000** | 50 |
| 10 | SL 5.00/10/135 | **1630330000** | **1630900000** | 50 |
| 11 | SL 5.00/11/135 | **1630340000** | **1630910000** | 50 |
| 12 | SL 5.00/12/135 | **1630350000** | **1630920000** | 50 |
| 13 | SL 5.00/13/135 | **1630360000** | **1630930000** | 50 |
| 14 | SL 5.00/14/135 | **1630370000** | **1630940000** | 50 |
| 15 | SL 5.00/15/135 | **1630380000** | **1630950000** | 50 |
| 16 | SL 5.00/16/135 | **1630390000** | **1630960000** | 50 |
| 17 | SL 5.00/17/135 | **1630400000** | **1630970000** | 20 |
| 18 | SL 5.00/18/135 | **1630410000** | **1630980000** | 20 |
| 19 | SL 5.00/19/135 | **1630420000** | **1630990000** | 20 |
| 20 | SL 5.00/20/135 | **1630430000** | **1631000000** | 20 |
| 21 | SL 5.00/21/135 | **1630440000** | **1631010000** | 20 |
| 22 | SL 5.00/22/135 | **1630450000** | **1631020000** | 20 |
| 23 | SL 5.00/23/135 | **1630460000** | **1631030000** | 20 |
| 24 | SL 5.00/24/135 | **1630470000** | **1631040000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 198, 199 |
| Miscellaneous | – |

## Pin headers SL 5.00/135B




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 250* | 300 | 300 |
| Rated current | A | 12 | 10 | 10 |

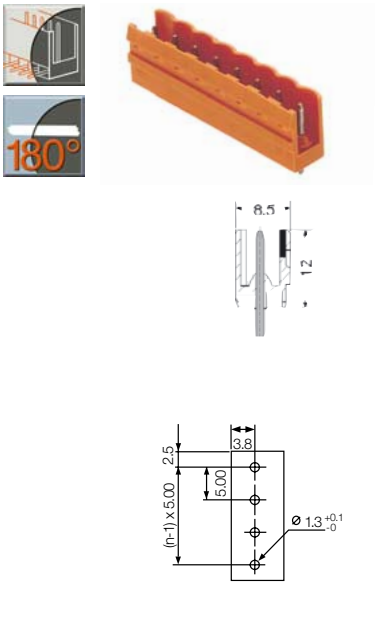
*Overvoltage category III / Pollution severity 3

Additional technical data see page 216

| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | SL 5.00/2/135B | **1630480000** | **1631050000** | 100 |
| 3 | SL 5.00/3/135B | **1630490000** | **1631060000** | 100 |
| 4 | SL 5.00/4/135B | **1630500000** | **1631070000** | 100 |
| 5 | SL 5.00/5/135B | **1630510000** | **1631080000** | 50 |
| 6 | SL 5.00/6/135B | **1630520000** | **1631090000** | 50 |
| 7 | SL 5.00/7/135B | **1630530000** | **1631100000** | 50 |
| 8 | SL 5.00/8/135B | **1630540000** | **1631110000** | 50 |
| 9 | SL 5.00/9/135B | **1630550000** | **1631120000** | 50 |
| 10 | SL 5.00/10/135B | **1630560000** | **1631130000** | 50 |
| 11 | SL 5.00/11/135B | **1630570000** | **1631140000** | 50 |
| 12 | SL 5.00/12/135B | **1630580000** | **1631150000** | 50 |
| 13 | SL 5.00/13/135B | **1630590000** | **1631160000** | 50 |
| 14 | SL 5.00/14/135B | **1630600000** | **1631170000** | 50 |
| 15 | SL 5.00/15/135B | **1630610000** | **1631180000** | 50 |
| 16 | SL 5.00/16/135B | **1630620000** | **1631190000** | 50 |
| 17 | SL 5.00/17/135B | **1630630000** | **1631200000** | 20 |
| 18 | SL 5.00/18/135B | **1630640000** | **1631210000** | 20 |
| 19 | SL 5.00/19/135B | **1630650000** | **1631220000** | 20 |
| 20 | SL 5.00/20/135B | **1630660000** | **1631230000** | 20 |
| 21 | SL 5.00/21/135B | **1630670000** | **1631240000** | 20 |
| 22 | SL 5.00/22/135B | **1630680000** | **1631250000** | 20 |
| 23 | SL 5.00/23/135B | **1630690000** | **1631260000** | 20 |
| 24 | SL 5.00/24/135B | **1630700000** | **1631270000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 198, 199 |
| Miscellaneous | – |

## Pin headers SL 5.00/180




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 250* | 300 | 300 |
| Rated current | A | 12 | 10 | 10 |

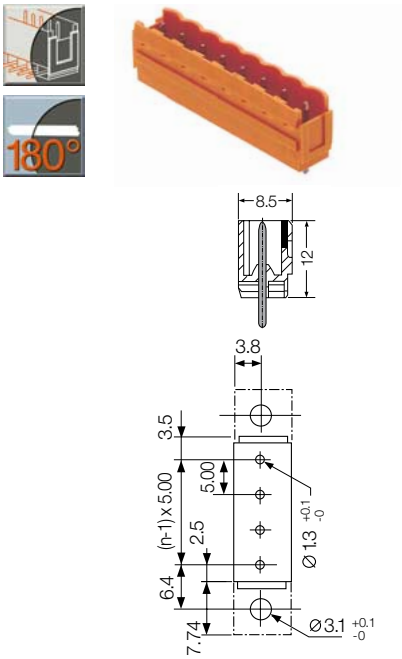
*Overvoltage category III / Pollution severity 3

Additional technical data see page 216

| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | SL 5.00/2/180 | **1581320000** | **1626390000** | 100 |
| 3 | SL 5.00/3/180 | **1581330000** | **1626400000** | 100 |
| 4 | SL 5.00/4/180 | **1581340000** | **1626410000** | 100 |
| 5 | SL 5.00/5/180 | **1581350000** | **1626420000** | 50 |
| 6 | SL 5.00/6/180 | **1581360000** | **1626430000** | 50 |
| 7 | SL 5.00/7/180 | **1581370000** | **1626440000** | 50 |
| 8 | SL 5.00/8/180 | **1581380000** | **1626450000** | 50 |
| 9 | SL 5.00/9/180 | **1581390000** | **1626460000** | 50 |
| 10 | SL 5.00/10/180 | **1581400000** | **1626470000** | 50 |
| 11 | SL 5.00/11/180 | **1581410000** | **1626480000** | 50 |
| 12 | SL 5.00/12/180 | **1581420000** | **1626490000** | 50 |
| 13 | SL 5.00/13/180 | **1581430000** | **1626500000** | 50 |
| 14 | SL 5.00/14/180 | **1581440000** | **1626510000** | 50 |
| 15 | SL 5.00/15/180 | **1581450000** | **1626520000** | 50 |
| 16 | SL 5.00/16/180 | **1581460000** | **1626530000** | 50 |
| 17 | SL 5.00/17/180 | **1581470000** | **1626540000** | 20 |
| 18 | SL 5.00/18/180 | **1581480000** | **1626550000** | 20 |
| 19 | SL 5.00/19/180 | **1581490000** | **1626560000** | 20 |
| 20 | SL 5.00/20/180 | **1581500000** | **1626570000** | 20 |
| 21 | SL 5.00/21/180 | **1581510000** | **1626580000** | 20 |
| 22 | SL 5.00/22/180 | **1581520000** | **1626590000** | 20 |
| 23 | SL 5.00/23/180 | **1581530000** | **1626600000** | 20 |
| 24 | SL 5.00/24/180 | **1581540000** | **1626610000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 198, 199 |
| Miscellaneous | – |

## Pin headers SL 5.00/180B




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 250* | 300 | 300 |
| Rated current | A | 12 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

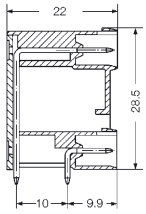
Additional technical data see page 216

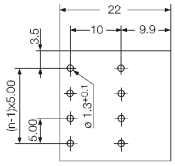
| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | SL 5.00/2/180B | **1581780000** | **1626620000** | 100 |
| 3 | SL 5.00/3/180B | **1581790000** | **1626630000** | 100 |
| 4 | SL 5.00/4/180B | **1581800000** | **1596130000** | 100 |
| 5 | SL 5.00/5/180B | **1581810000** | **1626640000** | 50 |
| 6 | SL 5.00/6/180B | **1581820000** | **1626650000** | 50 |
| 7 | SL 5.00/7/180B | **1581830000** | **1626660000** | 50 |
| 8 | SL 5.00/8/180B | **1581840000** | **1596140000** | 50 |
| 9 | SL 5.00/9/180B | **1581850000** | **1626670000** | 50 |
| 10 | SL 5.00/10/180B | **1581860000** | **1626680000** | 50 |
| 11 | SL 5.00/11/180B | **1581870000** | **1626690000** | 50 |
| 12 | SL 5.00/12/180B | **1581880000** | **1603310000** | 50 |
| 13 | SL 5.00/13/180B | **1581890000** | **1626700000** | 50 |
| 14 | SL 5.00/14/180B | **1581900000** | **1626710000** | 50 |
| 15 | SL 5.00/15/180B | **1581910000** | **1626720000** | 50 |
| 16 | SL 5.00/16/180B | **1581920000** | **1626730000** | 50 |
| 17 | SL 5.00/17/180B | **1581930000** | **1626740000** | 20 |
| 18 | SL 5.00/18/180B | **1581940000** | **1626750000** | 20 |
| 19 | SL 5.00/19/180B | **1581950000** | **1626760000** | 20 |
| 20 | SL 5.00/20/180B | **1581960000** | **1626770000** | 20 |
| 21 | SL 5.00/21/180B | **1581970000** | **1626780000** | 20 |
| 22 | SL 5.00/22/180B | **1581980000** | **1626790000** | 20 |
| 23 | SL 5.00/23/180B | **1581990000** | **1626800000** | 20 |
| 24 | SL 5.00/24/180B | **1582000000** | **1626810000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 198, 199 |
| Miscellaneous | – |

# Omnimate Range - Pitch 5.00 mm

## Pin headers SLD 5.00R20




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 8 | 10 | 10 |

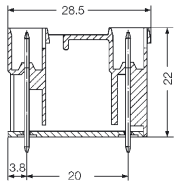
*Overvoltage category III / Pollution severity 3

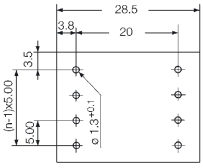
Additional technical data see page 216

| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 4 | SLD 5.00R20/4 | **1614350000** | **1653700000** | 50 |
| 6 | SLD 5.00R20/6 | **1614360000** | **1653710000** | 50 |
| 8 | SLD 5.00R20/8 | **1614370000** | **1653720000** | 50 |
| 10 | SLD 5.00R20/10 | **1614380000** | **1653730000** | 50 |
| 12 | SLD 5.00R20/12 | **1614390000** | **1653740000** | 50 |
| 14 | SLD 5.00R20/14 | **1614400000** | **1653750000** | 20 |
| 16 | SLD 5.00R20/16 | **1614410000** | **1653760000** | 20 |
| 18 | SLD 5.00R20/18 | **1614420000** | **1653770000** | 20 |
| 20 | SLD 5.00R20/20 | **1614430000** | **1653780000** | 20 |
| 22 | SLD 5.00R20/22 | **1614440000** | **1653790000** | 10 |
| 24 | SLD 5.00R20/24 | **1614450000** | **1653800000** | 10 |
| 26 | SLD 5.00R20/26 | **1614460000** | **1653810000** | 10 |
| 28 | SLD 5.00R20/28 | **1614470000** | **1653820000** | 10 |
| 30 | SLD 5.00R20/30 | **1614480000** | **1653830000** | 10 |
| 32 | SLD 5.00R20/32 | **1614490000** | **1653840000** | 10 |
| 34 | SLD 5.00R20/34 | **1614500000** | **1653850000** | 10 |
| 36 | SLD 5.00R20/36 | **1614510000** | **1653860000** | 10 |
| 38 | SLD 5.00R20/38 | **1614520000** | **1653870000** | 10 |
| 40 | SLD 5.00R20/40 | **1614530000** | **1653880000** | 10 |
| 42 | SLD 5.00R20/42 | **1614540000** | **1653890000** | 10 |
| 44 | SLD 5.00R20/44 | **1614550000** | **1653900000** | 10 |
| 46 | SLD 5.00R20/46 | **1614560000** | **1653910000** | 10 |
| 48 | SLD 5.00R20/48 | **1614570000** | **1653920000** | 10 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 198, 199 |
| Miscellaneous | – |

## Pin headers SLD 5.00R20




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 8 | 10 | 10 |

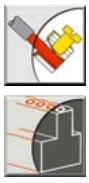
*Overvoltage category III / Pollution severity 3

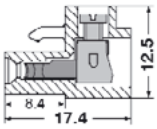
Additional technical data see page 216

| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 4 | SLD 5.00R20/4 | **1614810000** | **1653470000** | 50 |
| 6 | SLD 5.00R20/6 | **1614820000** | **1653480000** | 50 |
| 8 | SLD 5.00R20/8 | **1614830000** | **1653490000** | 50 |
| 10 | SLD 5.00R20/10 | **1614840000** | **1653500000** | 50 |
| 12 | SLD 5.00R20/12 | **1614850000** | **1653510000** | 50 |
| 14 | SLD 5.00R20/14 | **1614860000** | **1653520000** | 20 |
| 16 | SLD 5.00R20/16 | **1614870000** | **1653530000** | 20 |
| 18 | SLD 5.00R20/18 | **1614880000** | **1653540000** | 20 |
| 20 | SLD 5.00R20/20 | **1614890000** | **1653550000** | 20 |
| 22 | SLD 5.00R20/22 | **1614900000** | **1653560000** | 10 |
| 24 | SLD 5.00R20/24 | **1614910000** | **1653570000** | 10 |
| 26 | SLD 5.00R20/26 | **1614920000** | **1653580000** | 10 |
| 28 | SLD 5.00R20/28 | **1614930000** | **1653590000** | 10 |
| 30 | SLD 5.00R20/30 | **1614940000** | **1653600000** | 10 |
| 32 | SLD 5.00R20/32 | **1614950000** | **1653610000** | 10 |
| 34 | SLD 5.00R20/34 | **1614960000** | **1653620000** | 10 |
| 36 | SLD 5.00R20/36 | **1614970000** | **1653630000** | 10 |
| 38 | SLD 5.00R20/38 | **1614980000** | **1653640000** | 10 |
| 40 | SLD 5.00R20/40 | **1614990000** | **1653650000** | 10 |
| 42 | SLD 5.00R20/42 | **1615000000** | **1653660000** | 10 |
| 44 | SLD 5.00R20/44 | **1615010000** | **1653670000** | 10 |
| 46 | SLD 5.00R20/46 | **1615020000** | **1653680000** | 10 |
| 48 | SLD 5.00R20/48 | **1615030000** | **1653690000** | 10 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 198, 199 |
| Miscellaneous | – |


## Socket blocks BL 5.00






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 8 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 1.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

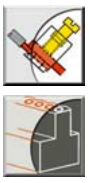
Additional technical data see page 218

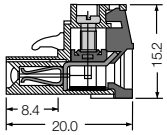
| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BL 5.00/2 | **1723110000** | **1730700000** | 100 |
| 3 | BL 5.00/3 | **1723120000** | **1730710000** | 100 |
| 4 | BL 5.00/4 | **1723130000** | **1730720000** | 100 |
| 5 | BL 5.00/5 | **1723140000** | **1730730000** | 50 |
| 6 | BL 5.00/6 | **1723150000** | **1730740000** | 50 |
| 7 | BL 5.00/7 | **1723160000** | **1730750000** | 50 |
| 8 | BL 5.00/8 | **1723170000** | **1730760000** | 50 |
| 9 | BL 5.00/9 | **1723180000** | **1730770000** | 50 |
| 10 | BL 5.00/10 | **1723190000** | **1730780000** | 50 |
| 11 | BL 5.00/11 | **1723200000** | **1730790000** | 50 |
| 12 | BL 5.00/12 | **1723210000** | **1730800000** | 50 |
| 13 | BL 5.00/13 | **1723220000** | **1730810000** | 50 |
| 14 | BL 5.00/14 | **1723230000** | **1730820000** | 50 |
| 15 | BL 5.00/15 | **1723240000** | **1730830000** | 50 |
| 16 | BL 5.00/16 | **1723250000** | **1730840000** | 50 |

**Due to torque requirements do not connect wires to socket when connectors are already mated!**

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | – |
| Miscellaneous | 207 |

## Socket blocks BLZ 5.00






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

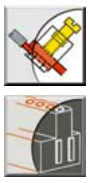
*Overvoltage category III / Pollution severity 3

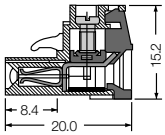
Additional technical data see page 218

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLZ 5.00/2 | **1571350000** | **1625610000** | 100 |
| 3 | BLZ 5.00/3 | **1571360000** | **1625620000** | 100 |
| 4 | BLZ 5.00/4 | **1571370000** | **1596080000** | 100 |
| 5 | BLZ 5.00/5 | **1571380000** | **1625630000** | 50 |
| 6 | BLZ 5.00/6 | **1571390000** | **1596090000** | 50 |
| 7 | BLZ 5.00/7 | **1571400000** | **1596100000** | 50 |
| 8 | BLZ 5.00/8 | **1571410000** | **1596110000** | 50 |
| 9 | BLZ 5.00/9 | **1571420000** | **1625640000** | 50 |
| 10 | BLZ 5.00/10 | **1571430000** | **1596120000** | 50 |
| 11 | BLZ 5.00/11 | **1571440000** | **1625650000** | 50 |
| 12 | BLZ 5.00/12 | **1571120000** | **1602990000** | 50 |
| 13 | BLZ 5.00/13 | **1571450000** | **1625660000** | 50 |
| 14 | BLZ 5.00/14 | **1571460000** | **1625670000** | 50 |
| 15 | BLZ 5.00/15 | **1571470000** | **1625680000** | 50 |
| 16 | BLZ 5.00/16 | **1571480000** | **1603300000** | 50 |
| 17 | BLZ 5.00/17 | **1571490000** | **1625690000** | 20 |
| 18 | BLZ 5.00/18 | **1571500000** | **1625700000** | 20 |
| 19 | BLZ 5.00/19 | **1571510000** | **1625710000** | 20 |
| 20 | BLZ 5.00/20 | **1571520000** | **1625720000** | 20 |
| 21 | BLZ 5.00/21 | **1571530000** | **1625730000** | 20 |
| 22 | BLZ 5.00/22 | **1571540000** | **1625740000** | 20 |
| 23 | BLZ 5.00/23 | **1571550000** | **1625750000** | 20 |
| 24 | BLZ 5.00/24 | **1571560000** | **1611470000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 201-207 |

## Socket blocks BLZ 5.00B






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 218

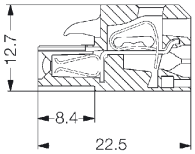
| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLZ 5.00/2B | **1580390000** | **1625760000** | 100 |
| 3 | BLZ 5.00/3B | **1580400000** | **1625770000** | 100 |
| 4 | BLZ 5.00/4B | **1580410000** | **1625780000** | 100 |
| 5 | BLZ 5.00/5B | **1580420000** | **1625790000** | 50 |
| 6 | BLZ 5.00/6B | **1580430000** | **1625800000** | 50 |
| 7 | BLZ 5.00/7B | **1580440000** | **1625810000** | 50 |
| 8 | BLZ 5.00/8B | **1580450000** | **1625820000** | 50 |
| 9 | BLZ 5.00/9B | **1580460000** | **1625830000** | 50 |
| 10 | BLZ 5.00/10B | **1580470000** | **1625840000** | 50 |
| 11 | BLZ 5.00/11B | **1580480000** | **1625850000** | 50 |
| 12 | BLZ 5.00/12B | **1580490000** | **1625860000** | 50 |
| 13 | BLZ 5.00/13B | **1580500000** | **1625870000** | 50 |
| 14 | BLZ 5.00/14B | **1580510000** | **1625880000** | 50 |
| 15 | BLZ 5.00/15B | **1580520000** | **1625890000** | 50 |
| 16 | BLZ 5.00/16B | **1580530000** | **1625900000** | 50 |
| 17 | BLZ 5.00/17B | **1580540000** | **1625910000** | 20 |
| 18 | BLZ 5.00/18B | **1580550000** | **1625920000** | 20 |
| 19 | BLZ 5.00/19B | **1580560000** | **1625930000** | 20 |
| 20 | BLZ 5.00/20B | **1580570000** | **1625940000** | 20 |
| 21 | BLZ 5.00/21B | **1580580000** | **1625950000** | 20 |
| 22 | BLZ 5.00/22B | **1580590000** | **1625960000** | 20 |
| 23 | BLZ 5.00/23B | **1580600000** | **1625970000** | 20 |
| 24 | BLZ 5.00/24B | **1580610000** | **1625980000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 201-207 |

# Omnimate Range - Pitch 5.00 mm

## Socket blocks BLZF 5.00




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 16 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 1.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

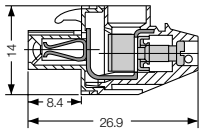
Additional technical data see page 219

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLZF 5.00/2 | **1696370000** | **1696600000** | 100 |
| 3 | BLZF 5.00/3 | **1696380000** | **1696610000** | 100 |
| 4 | BLZF 5.00/4 | **1696390000** | **1696620000** | 100 |
| 5 | BLZF 5.00/5 | **1696400000** | **1696630000** | 50 |
| 6 | BLZF 5.00/6 | **1696410000** | **1696640000** | 50 |
| 7 | BLZF 5.00/7 | **1696420000** | **1696650000** | 50 |
| 8 | BLZF 5.00/8 | **1696430000** | **1696660000** | 50 |
| 9 | BLZF 5.00/9 | **1696440000** | **1696670000** | 50 |
| 10 | BLZF 5.00/10 | **1696450000** | **1696680000** | 50 |
| 11 | BLZF 5.00/11 | **1696460000** | **1696690000** | 50 |
| 12 | BLZF 5.00/12 | **1696470000** | **1696700000** | 50 |
| 13 | BLZF 5.00/13 | **1696480000** | **1696710000** | 50 |
| 14 | BLZF 5.00/14 | **1696490000** | **1696720000** | 50 |
| 15 | BLZF 5.00/15 | **1696500000** | **1696730000** | 50 |
| 16 | BLZF 5.00/16 | **1696510000** | **1696740000** | 50 |
| 17 | BLZF 5.00/17 | **1696520000** | **1696750000** | 20 |
| 18 | BLZF 5.00/18 | **1696530000** | **1696760000** | 20 |
| 19 | BLZF 5.00/19 | **1696540000** | **1696770000** | 20 |
| 20 | BLZF 5.00/20 | **1696550000** | **1696780000** | 20 |
| 21 | BLZF 5.00/21 | **1696560000** | **1696790000** | 20 |
| 22 | BLZF 5.00/22 | **1696570000** | **1696800000** | 20 |
| 23 | BLZF 5.00/23 | **1696580000** | **1696810000** | 20 |
| 24 | BLZF 5.00/24 | **1696590000** | **1696820000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 207, 208 |

## Socket blocks BLZ 5.00/90




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

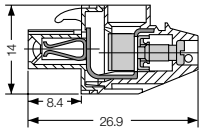
Additional technical data see page 218

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLZ 5.00/2/90 | **1635940000** | **1636890000** | 100 |
| 3 | BLZ 5.00/3/90 | **1635950000** | **1636900000** | 100 |
| 4 | BLZ 5.00/4/90 | **1635960000** | **1636910000** | 100 |
| 5 | BLZ 5.00/5/90 | **1635970000** | **1636920000** | 50 |
| 6 | BLZ 5.00/6/90 | **1635980000** | **1636930000** | 50 |
| 7 | BLZ 5.00/7/90 | **1635990000** | **1636940000** | 50 |
| 8 | BLZ 5.00/8/90 | **1636000000** | **1636950000** | 50 |
| 9 | BLZ 5.00/9/90 | **1636010000** | **1636960000** | 50 |
| 10 | BLZ 5.00/10/90 | **1636020000** | **1636970000** | 50 |
| 11 | BLZ 5.00/11/90 | **1636030000** | **1636980000** | 50 |
| 12 | BLZ 5.00/12/90 | **1636040000** | **1636990000** | 50 |
| 13 | BLZ 5.00/13/90 | **1636050000** | **1637000000** | 50 |
| 14 | BLZ 5.00/14/90 | **1636060000** | **1637010000** | 50 |
| 15 | BLZ 5.00/15/90 | **1636070000** | **1637020000** | 50 |
| 16 | BLZ 5.00/16/90 | **1636080000** | **1637030000** | 50 |
| 17 | BLZ 5.00/17/90 | **1636090000** | **1637040000** | 20 |
| 18 | BLZ 5.00/18/90 | **1636100000** | **1637050000** | 20 |
| 19 | BLZ 5.00/19/90 | **1636110000** | **1637060000** | 20 |
| 20 | BLZ 5.00/20/90 | **1636120000** | **1637070000** | 20 |
| 21 | BLZ 5.00/21/90 | **1636130000** | **1637080000** | 20 |
| 22 | BLZ 5.00/22/90 | **1636140000** | **1637090000** | 20 |
| 23 | BLZ 5.00/23/90 | **1636150000** | **1637100000** | 20 |
| 24 | BLZ 5.00/24/90 | **1636160000** | **1637110000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 207 |

## Socket blocks BLZ 5.00/90B




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

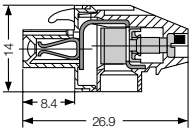
*Overvoltage category III / Pollution severity 3

Additional technical data see page 218

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLZ 5.00/2/90B | **1637120000** | **1637350000** | 100 |
| 3 | BLZ 5.00/3/90B | **1637130000** | **1637360000** | 100 |
| 4 | BLZ 5.00/4/90B | **1637140000** | **1637370000** | 100 |
| 5 | BLZ 5.00/5/90B | **1637150000** | **1637380000** | 50 |
| 6 | BLZ 5.00/6/90B | **1637160000** | **1637390000** | 50 |
| 7 | BLZ 5.00/7/90B | **1637170000** | **1637400000** | 50 |
| 8 | BLZ 5.00/8/90B | **1637180000** | **1637410000** | 50 |
| 9 | BLZ 5.00/9/90B | **1637190000** | **1637420000** | 50 |
| 10 | BLZ 5.00/10/90B | **1637200000** | **1637430000** | 50 |
| 11 | BLZ 5.00/11/90B | **1637210000** | **1637440000** | 50 |
| 12 | BLZ 5.00/12/90B | **1637220000** | **1637450000** | 50 |
| 13 | BLZ 5.00/13/90B | **1637230000** | **1637460000** | 50 |
| 14 | BLZ 5.00/14/90B | **1637240000** | **1637470000** | 50 |
| 15 | BLZ 5.00/15/90B | **1637250000** | **1637480000** | 50 |
| 16 | BLZ 5.00/16/90B | **1637260000** | **1637490000** | 50 |
| 17 | BLZ 5.00/17/90B | **1637270000** | **1637500000** | 20 |
| 18 | BLZ 5.00/18/90B | **1637280000** | **1637510000** | 20 |
| 19 | BLZ 5.00/19/90B | **1637290000** | **1637520000** | 20 |
| 20 | BLZ 5.00/20/90B | **1637300000** | **1637530000** | 20 |
| 21 | BLZ 5.00/21/90B | **1637310000** | **1637540000** | 20 |
| 22 | BLZ 5.00/22/90B | **1637320000** | **1637550000** | 20 |
| 23 | BLZ 5.00/23/90B | **1637330000** | **1637560000** | 20 |
| 24 | BLZ 5.00/24/90B | **1637340000** | **1637570000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 207 |

## Socket blocks BLZ 5.00/270




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

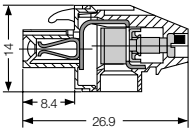
*Overvoltage category III / Pollution severity 3

Additional technical data see page 218

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLZ 5.00/2/270 | **1637580000** | **1637810000** | 100 |
| 3 | BLZ 5.00/3/270 | **1637590000** | **1637820000** | 100 |
| 4 | BLZ 5.00/4/270 | **1637600000** | **1637830000** | 100 |
| 5 | BLZ 5.00/5/270 | **1637610000** | **1637840000** | 50 |
| 6 | BLZ 5.00/6/270 | **1637620000** | **1637850000** | 50 |
| 7 | BLZ 5.00/7/270 | **1637630000** | **1637860000** | 50 |
| 8 | BLZ 5.00/8/270 | **1637640000** | **1637870000** | 50 |
| 9 | BLZ 5.00/9/270 | **1637650000** | **1637880000** | 50 |
| 10 | BLZ 5.00/10/270 | **1637660000** | **1637890000** | 50 |
| 11 | BLZ 5.00/11/270 | **1637670000** | **1637900000** | 50 |
| 12 | BLZ 5.00/12/270 | **1637680000** | **1637910000** | 50 |
| 13 | BLZ 5.00/13/270 | **1637690000** | **1637920000** | 50 |
| 14 | BLZ 5.00/14/270 | **1637700000** | **1637930000** | 50 |
| 15 | BLZ 5.00/15/270 | **1637710000** | **1637940000** | 50 |
| 16 | BLZ 5.00/16/270 | **1637720000** | **1637950000** | 50 |
| 17 | BLZ 5.00/17/270 | **1637730000** | **1637960000** | 20 |
| 18 | BLZ 5.00/18/270 | **1637740000** | **1637970000** | 20 |
| 19 | BLZ 5.00/19/270 | **1637750000** | **1637980000** | 20 |
| 20 | BLZ 5.00/20/270 | **1637760000** | **1637990000** | 20 |
| 21 | BLZ 5.00/21/270 | **1637770000** | **1638000000** | 20 |
| 22 | BLZ 5.00/22/270 | **1637780000** | **1638010000** | 20 |
| 23 | BLZ 5.00/23/270 | **1637790000** | **1638020000** | 20 |
| 24 | BLZ 5.00/24/270 | **1637800000** | **1638030000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 207 |

## Socket blocks BLZ 5.00/270B




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 218

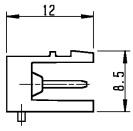
| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLZ 5.00/2/270B | **1638040000** | **1638270000** | 100 |
| 3 | BLZ 5.00/3/270B | **1638050000** | **1638280000** | 100 |
| 4 | BLZ 5.00/4/270B | **1638060000** | **1638290000** | 100 |
| 5 | BLZ 5.00/5/270B | **1638070000** | **1638300000** | 50 |
| 6 | BLZ 5.00/6/270B | **1638080000** | **1638310000** | 50 |
| 7 | BLZ 5.00/7/270B | **1638090000** | **1638320000** | 50 |
| 8 | BLZ 5.00/8/270B | **1638100000** | **1638330000** | 50 |
| 9 | BLZ 5.00/9/270B | **1638110000** | **1638340000** | 50 |
| 10 | BLZ 5.00/10/270B | **1638120000** | **1638350000** | 50 |
| 11 | BLZ 5.00/11/270B | **1638130000** | **1638360000** | 50 |
| 12 | BLZ 5.00/12/270B | **1638140000** | **1638370000** | 50 |
| 13 | BLZ 5.00/13/270B | **1638150000** | **1638380000** | 50 |
| 14 | BLZ 5.00/14/270B | **1638160000** | **1638390000** | 50 |
| 15 | BLZ 5.00/15/270B | **1638170000** | **1638400000** | 50 |
| 16 | BLZ 5.00/16/270B | **1638180000** | **1638410000** | 50 |
| 17 | BLZ 5.00/17/270B | **1638190000** | **1638420000** | 20 |
| 18 | BLZ 5.00/18/270B | **1638200000** | **1638430000** | 20 |
| 19 | BLZ 5.00/19/270B | **1638210000** | **1638440000** | 20 |
| 20 | BLZ 5.00/20/270B | **1638220000** | **1638450000** | 20 |
| 21 | BLZ 5.00/21/270B | **1638230000** | **1638460000** | 20 |
| 22 | BLZ 5.00/22/270B | **1638240000** | **1638470000** | 20 |
| 23 | BLZ 5.00/23/270B | **1638250000** | **1638480000** | 20 |
| 24 | BLZ 5.00/24/270B | **1638260000** | **1638490000** | 20 |

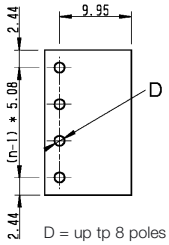
| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 207 |

# Omnimate Range - Pitch 5.08 mm

## Pin headers SL-SMT 5.08/90

new




D = up tp 8 poles Ø 1.4 +0.1
from 9 poles Ø 1.5 +0.1

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 250* | 300 | 300 |
| Rated current | A | 15 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 215

**Solder pin length** **1.5 mm**
**Tape-on-Reel**
**Colour** ●
**Tape width** **56 mm**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SL-SMT 5.08/2/90 | **1774764001** | 250 |
| 3 | SL-SMT 5.08/3/90 | **1774774001** | 250 |
| 4 | SL-SMT 5.08/4/90 | **1774784001** | 250 |
| 5 | SL-SMT 5.08/5/90 | **1774794001** | 250 |
| 6 | SL-SMT 5.08/6/90 | **1774804001** | 250 |
| 7 | SL-SMT 5.08/7/90 | **1774814001** | 250 |
| 8 | SL-SMT 5.08/8/90 | **1774824001** | 250 |

**For detailed product and application information for SMT see chapter “Other Applications” page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 198,199 |
| Miscellaneous | 205 |

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 250* | 300 | 300 |
| Rated current | A | 15 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 215

**Solder pin length** **1.5 mm**
**Tray**
**Colour** ●

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| – | – | – | – |
| – | – | – | – |
| 4 | SL-SMT 5.08/4/90 | **1774783001** | 66 |
| 5 | SL-SMT 5.08/5/90 | **1774793001** | 54 |
| 6 | SL-SMT 5.08/6/90 | **1774803001** | 48 |
| 7 | SL-SMT 5.08/7/90 | **1774813001** | 42 |
| 8 | SL-SMT 5.08/8/90 | **1774823001** | 36 |
| 9 | SL-SMT 5.08/9/90 | **1774833001** | 30 |
| 10 | SL-SMT 5.08/10/90 | **1774843001** | 30 |
| 11 | SL-SMT 5.08/11/90 | **1774853001** | 24 |
| 12 | SL-SMT 5.08/12/90 | **1774863001** | 24 |
| 13 | SL-SMT 5.08/13/90 | **1774873001** | 24 |
| 14 | SL-SMT 5.08/14/90 | **1774883001** | 18 |
| 15 | SL-SMT 5.08/15/90 | **1774893001** | 18 |
| 16 | SL-SMT 5.08/16/90 | **1774903001** | 18 |
| 17 | SL-SMT 5.08/17/90 | **1774913001** | 18 |
| 18 | SL-SMT 5.08/18/90 | **1774923001** | 18 |
| 19 | SL-SMT 5.08/19/90 | **1774933001** | 12 |
| 20 | SL-SMT 5.08/20/90 | **1774943001** | 12 |
| 21 | SL-SMT 5.08/21/90 | **1774953001** | 12 |
| 22 | SL-SMT 5.08/22/90 | **1774963001** | 12 |
| 23 | SL-SMT 5.08/23/90 | **1774973001** | 12 |
| 24 | SL-SMT 5.08/24/90 | **1774983001** | 12 |

**For detailed product and application information for SMT see chapter “Other Applications” page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 198,199 |
| Miscellaneous | 205 |

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 250* | 300 | 300 |
| Rated current | A | 15 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 215

**Solder pin length** **1.5 mm**
**Standard Box**
**Colour** ●

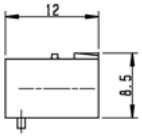
| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SL-SMT 5.08/2/90 | **1774762001** | 100 |
| 3 | SL-SMT 5.08/3/90 | **1774772001** | 100 |
| 4 | SL-SMT 5.08/4/90 | **1774782001** | 100 |
| 5 | SL-SMT 5.08/5/90 | **1774792001** | 50 |
| 6 | SL-SMT 5.08/6/90 | **1774802001** | 50 |
| 7 | SL-SMT 5.08/7/90 | **1774812001** | 50 |
| 8 | SL-SMT 5.08/8/90 | **1774822001** | 50 |
| 9 | SL-SMT 5.08/9/90 | **1774832001** | 50 |
| 10 | SL-SMT 5.08/10/90 | **1774842001** | 50 |
| 11 | SL-SMT 5.08/11/90 | **1774852001** | 50 |
| 12 | SL-SMT 5.08/12/90 | **1774862001** | 50 |
| 13 | SL-SMT 5.08/13/90 | **1774872001** | 50 |
| 14 | SL-SMT 5.08/14/90 | **1774882001** | 50 |
| 15 | SL-SMT 5.08/15/90 | **1774892001** | 50 |
| 16 | SL-SMT 5.08/16/90 | **1774902001** | 50 |
| 17 | SL-SMT 5.08/17/90 | **1774912001** | 20 |
| 18 | SL-SMT 5.08/18/90 | **1774922001** | 20 |
| 19 | SL-SMT 5.08/19/90 | **1774932001** | 20 |
| 20 | SL-SMT 5.08/20/90 | **1774942001** | 20 |
| 21 | SL-SMT 5.08/21/90 | **1774952001** | 20 |
| 22 | SL-SMT 5.08/22/90 | **1774962001** | 20 |
| 23 | SL-SMT 5.08/23/90 | **1774972001** | 20 |
| 24 | SL-SMT 5.08/24/90 | **1774982001** | 20 |

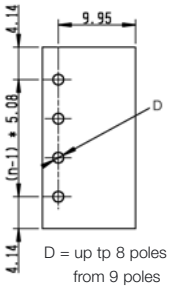
**For detailed product and application information for SMT see chapter “Other Applications” page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 198,199 |
| Miscellaneous | 205 |


## Pin headers SL-SMT 5.08/90G

new




D = up tp 8 poles Ø 1.4 $^{+0.1}$
from 9 poles Ø 1.5 $^{+0.1}$

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 15 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 215

**Solder pin length** **1.5 mm**
**Tape-on-Reel**
**Colour** ●
**Tape width** **56 mm**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SL-SMT 5.08/2/90G | **1775004001** | 250 |
| 3 | SL-SMT 5.08/3/90G | **1775014001** | 250 |
| 4 | SL-SMT 5.08/4/90G | **1775024001** | 250 |
| 5 | SL-SMT 5.08/5/90G | **1775034001** | 250 |
| 6 | SL-SMT 5.08/6/90G | **1775044001** | 250 |
| 7 | SL-SMT 5.08/7/90G | **1775054001** | 250 |

**For detailed product and application information for SMT see chapter “Other Applications” page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 198,199 |
| Miscellaneous | 205 |

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 15 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 215

**Solder pin length** **1.5 mm**
**Tray**
**Colour** ●

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| – | – | – | – |
| – | – | – | – |
| 4 | SL-SMT 5.08/4/90G | **1775023001** | 66 |
| 5 | SL-SMT 5.08/5/90G | **1775033001** | 54 |
| 6 | SL-SMT 5.08/6/90G | **1775043001** | 48 |
| 7 | SL-SMT 5.08/7/90G | **1775053001** | 42 |
| 8 | SL-SMT 5.08/8/90G | **1775063001** | 36 |
| 9 | SL-SMT 5.08/9/90G | **1775073001** | 30 |
| 10 | SL-SMT 5.08/10/90G | **1775083001** | 30 |
| 11 | SL-SMT 5.08/11/90G | **1775093001** | 24 |
| 12 | SL-SMT 5.08/12/90G | **1775103001** | 24 |
| 13 | SL-SMT 5.08/13/90G | **1775113001** | 24 |
| 14 | SL-SMT 5.08/14/90G | **1775123001** | 18 |
| 15 | SL-SMT 5.08/15/90G | **1775133001** | 18 |
| 16 | SL-SMT 5.08/16/90G | **1775143001** | 18 |
| 17 | SL-SMT 5.08/17/90G | **1775153001** | 18 |
| 18 | SL-SMT 5.08/18/90G | **1775163001** | 18 |
| 19 | SL-SMT 5.08/19/90G | **1775173001** | 12 |
| 20 | SL-SMT 5.08/20/90G | **1775183001** | 12 |
| 21 | SL-SMT 5.08/21/90G | **1775193001** | 12 |
| 22 | SL-SMT 5.08/22/90G | **1775203001** | 12 |
| 23 | SL-SMT 5.08/23/90G | **1775213001** | 12 |
| 24 | SL-SMT 5.08/24/90G | **1775223001** | 12 |

**For detailed product and application information for SMT see chapter “Other Applications” page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 198,199 |
| Miscellaneous | 205 |

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 15 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 215

**Solder pin length** **1.5 mm**
**Standard Box**
**Colour** ●

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SL-SMT 5.08/2/90G | **1775002001** | 100 |
| 3 | SL-SMT 5.08/3/90G | **1775012001** | 100 |
| 4 | SL-SMT 5.08/4/90G | **1775022001** | 100 |
| 5 | SL-SMT 5.08/5/90G | **1775032001** | 50 |
| 6 | SL-SMT 5.08/6/90G | **1775042001** | 50 |
| 7 | SL-SMT 5.08/7/90G | **1775052001** | 50 |
| 8 | SL-SMT 5.08/8/90G | **1775062001** | 36 |
| 9 | SL-SMT 5.08/9/90G | **1775072001** | 50 |
| 10 | SL-SMT 5.08/10/90G | **1775082001** | 50 |
| 11 | SL-SMT 5.08/11/90G | **1775092001** | 50 |
| 12 | SL-SMT 5.08/12/90G | **1775102001** | 50 |
| 13 | SL-SMT 5.08/13/90G | **1775112001** | 50 |
| 14 | SL-SMT 5.08/14/90G | **1775122001** | 50 |
| 15 | SL-SMT 5.08/15/90G | **1775132001** | 50 |
| 16 | SL-SMT 5.08/16/90G | **1775142001** | 50 |
| 17 | SL-SMT 5.08/17/90G | **1775152001** | 20 |
| 18 | SL-SMT 5.08/18/90G | **1775162001** | 20 |
| 19 | SL-SMT 5.08/19/90G | **1775172001** | 20 |
| 20 | SL-SMT 5.08/20/90G | **1775182001** | 20 |
| 21 | SL-SMT 5.08/21/90G | **1775192001** | 20 |
| 22 | SL-SMT 5.08/22/90G | **1775202001** | 20 |
| 23 | SL-SMT 5.08/23/90G | **1775212001** | 20 |
| 24 | SL-SMT 5.08/24/90G | **1775222001** | 20 |

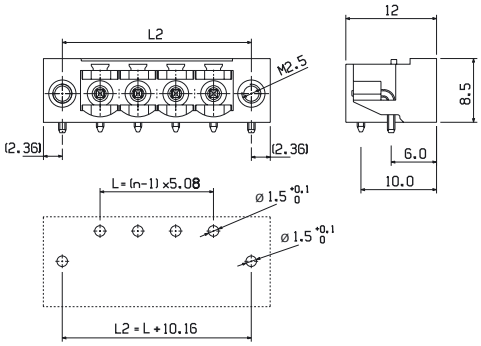
**For detailed product and application information for SMT see chapter “Other Applications” page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 198,199 |
| Miscellaneous | 205 |

# Omnimate Range - Pitch 5.08 mm

## Pin headers SL-SMT 5.08/90LF

new




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 15 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 215

**Solder pin length** **1.5 mm**
**Tape-on-Reel**
**Colour** ●
**Tape width** **56 mm**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SL-SMT 5.08/2/90LF | **1775234001** | 250 |
| 3 | SL-SMT 5.08/3/90LF | **1775244001** | 250 |
| 4 | SL-SMT 5.08/4/90LF | **1775254001** | 250 |
| 5 | SL-SMT 5.08/5/90LF | **1775264001** | 250 |
| 6 | SL-SMT 5.08/6/90LF | **1775274001** | 250 |

**For detailed product and application information for SMT see chapter “Other Applications” page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 196 |
| Coding | 198,199 |
| Miscellaneous | 205 |

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 15 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 215

**Solder pin length** **1.5 mm**
**Tray**
**Colour** ●

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SL-SMT 5.08/2/90LF | **1775233001** | 66 |
| 3 | SL-SMT 5.08/3/90LF | **1775243001** | 54 |
| 4 | SL-SMT 5.08/4/90LF | **1775253001** | 48 |
| 5 | SL-SMT 5.08/5/90LF | **1775263001** | 42 |
| 6 | SL-SMT 5.08/6/90LF | **1775273001** | 36 |
| 7 | SL-SMT 5.08/7/90LF | **1775283001** | 30 |
| 8 | SL-SMT 5.08/8/90LF | **1775293001** | 30 |
| 9 | SL-SMT 5.08/9/90LF | **1775303001** | 24 |
| 10 | SL-SMT 5.08/10/90LF | **1775313001** | 24 |
| 11 | SL-SMT 5.08/11/90LF | **1775323001** | 24 |
| 12 | SL-SMT 5.08/12/90LF | **1775333001** | 18 |
| 13 | SL-SMT 5.08/13/90LF | **1775343001** | 18 |
| 14 | SL-SMT 5.08/14/90LF | **1775353001** | 18 |
| 15 | SL-SMT 5.08/15/90LF | **1775363001** | 18 |
| 16 | SL-SMT 5.08/16/90LF | **1775373001** | 12 |
| 17 | SL-SMT 5.08/17/90LF | **1775383001** | 12 |
| 18 | SL-SMT 5.08/18/90LF | **1775393001** | 12 |
| 19 | SL-SMT 5.08/19/90LF | **1775403001** | 12 |
| 20 | SL-SMT 5.08/20/90LF | **1775413001** | 12 |
| 21 | SL-SMT 5.08/21/90LF | **1775423001** | 12 |
| 22 | SL-SMT 5.08/22/90LF | **1775433001** | 12 |
| 23 | SL-SMT 5.08/23/90LF | **1775443001** | 12 |
| 24 | SL-SMT 5.08/24/90LF | **1775453001** | 12 |

**For detailed product and application information for SMT see chapter “Other Applications” page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 196 |
| Coding | 198,199 |
| Miscellaneous | 205 |

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 15 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 215

**Solder pin length** **1.5 mm**
**Standard Box**
**Colour** ●

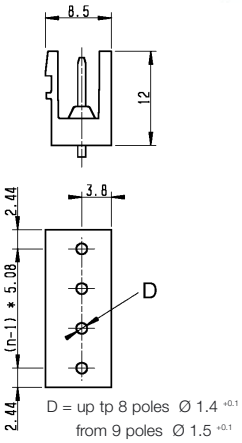
| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SL-SMT 5.08/2/90LF | **1775232001** | 100 |
| 3 | SL-SMT 5.08/3/90LF | **1775242001** | 100 |
| 4 | SL-SMT 5.08/4/90LF | **1775252001** | 100 |
| 5 | SL-SMT 5.08/5/90LF | **1775262001** | 50 |
| 6 | SL-SMT 5.08/6/90LF | **1775272001** | 50 |
| 7 | SL-SMT 5.08/7/90LF | **1775282001** | 50 |
| 8 | SL-SMT 5.08/8/90LF | **1775292001** | 50 |
| 9 | SL-SMT 5.08/9/90LF | **1775302001** | 50 |
| 10 | SL-SMT 5.08/10/90LF | **1775312001** | 50 |
| 11 | SL-SMT 5.08/11/90LF | **1775322001** | 50 |
| 12 | SL-SMT 5.08/12/90LF | **1775332001** | 50 |
| 13 | SL-SMT 5.08/13/90LF | **1775342001** | 50 |
| 14 | SL-SMT 5.08/14/90LF | **1775352001** | 50 |
| 15 | SL-SMT 5.08/15/90LF | **1775362001** | 50 |
| 16 | SL-SMT 5.08/16/90LF | **1775372001** | 50 |
| 17 | SL-SMT 5.08/17/90LF | **1775382001** | 20 |
| 18 | SL-SMT 5.08/18/90LF | **1775392001** | 20 |
| 19 | SL-SMT 5.08/19/90LF | **1775402001** | 20 |
| 20 | SL-SMT 5.08/20/90LF | **1775412001** | 20 |
| 21 | SL-SMT 5.08/21/90LF | **1775422001** | 20 |
| 22 | SL-SMT 5.08/22/90LF | **1775432001** | 20 |
| 23 | SL-SMT 5.08/23/90LF | **1775442001** | 20 |
| 24 | SL-SMT 5.08/24/90LF | **1775452001** | 20 |

**For detailed product and application information for SMT see chapter “Other Applications” page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 196 |
| Coding | 198,199 |
| Miscellaneous | 205 |

## Pin headers SL-SMT 5.08/180

new




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 250* | 300 | 300 |
| Rated current | A | 15 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 215

**Solder pin length** **1.5 mm**
**Tape-on-Reel**
**Colour** ●
**Tape width** **56 mm**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SL-SMT 5.08/2/180 | **1775524001** | 200 |
| 3 | SL-SMT 5.08/3/180 | **1775574001** | 200 |
| 4 | SL-SMT 5.08/4/180 | **1775594001** | 200 |
| 5 | SL-SMT 5.08/5/180 | **1775634001** | 200 |
| 6 | SL-SMT 5.08/6/180 | **1775644001** | 200 |
| 7 | SL-SMT 5.08/7/180 | **1775654001** | 200 |
| 8 | SL-SMT 5.08/8/180 | **1775664001** | 200 |

**For detailed product and application information for SMT see chapter "Other Applications" page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 198,199 |
| Miscellaneous | – |

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 250* | 300 | 300 |
| Rated current | A | 15 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 215

**Solder pin length** **1.5 mm**
**Tray**
**Colour** ●

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| – | – | – | – |
| – | – | – | – |
| 4 | SL-SMT 5.08/4/180 | **1775593001** | 66 |
| 5 | SL-SMT 5.08/5/180 | **1775633001** | 54 |
| 6 | SL-SMT 5.08/6/180 | **1775643001** | 48 |
| 7 | SL-SMT 5.08/7/180 | **1775653001** | 42 |
| 8 | SL-SMT 5.08/8/180 | **1775663001** | 36 |
| 9 | SL-SMT 5.08/9/180 | **1775673001** | 30 |
| 10 | SL-SMT 5.08/10/180 | **1775683001** | 30 |
| 11 | SL-SMT 5.08/11/180 | **1775693001** | 24 |
| 12 | SL-SMT 5.08/12/180 | **1775703001** | 24 |
| 13 | SL-SMT 5.08/13/180 | **1775713001** | 24 |
| 14 | SL-SMT 5.08/14/180 | **1775723001** | 18 |
| 15 | SL-SMT 5.08/15/180 | **1775733001** | 18 |
| 16 | SL-SMT 5.08/16/180 | **1775743001** | 18 |
| 17 | SL-SMT 5.08/17/180 | **1775753001** | 18 |
| 18 | SL-SMT 5.08/18/180 | **1775763001** | 12 |
| 19 | SL-SMT 5.08/19/180 | **1775773001** | 12 |
| 20 | SL-SMT 5.08/20/180 | **1775783001** | 12 |
| 21 | SL-SMT 5.08/21/180 | **1775793001** | 12 |
| 22 | SL-SMT 5.08/22/180 | **1775803001** | 12 |
| 23 | SL-SMT 5.08/23/180 | **1775813001** | 12 |
| 24 | SL-SMT 5.08/24/180 | **1775823001** | 12 |

**For detailed product and application information for SMT see chapter "Other Applications" page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 198,199 |
| Miscellaneous | – |

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 250* | 300 | 300 |
| Rated current | A | 15 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 215

**Solder pin length** **1.5 mm**
**Standard Box**
**Colour** ●

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SL-SMT 5.08/2/180 | **1775522001** | 100 |
| 3 | SL-SMT 5.08/3/180 | **1775572001** | 100 |
| 4 | SL-SMT 5.08/4/180 | **1775592001** | 100 |
| 5 | SL-SMT 5.08/5/180 | **1775632001** | 50 |
| 6 | SL-SMT 5.08/6/180 | **1775642001** | 50 |
| 7 | SL-SMT 5.08/7/180 | **1775652001** | 50 |
| 8 | SL-SMT 5.08/8/180 | **1775662001** | 50 |
| 9 | SL-SMT 5.08/9/180 | **1775672001** | 50 |
| 10 | SL-SMT 5.08/10/180 | **1775682001** | 50 |
| 11 | SL-SMT 5.08/11/180 | **1775692001** | 50 |
| 12 | SL-SMT 5.08/12/180 | **1775702001** | 50 |
| 13 | SL-SMT 5.08/13/180 | **1775712001** | 50 |
| 14 | SL-SMT 5.08/14/180 | **1775722001** | 50 |
| 15 | SL-SMT 5.08/15/180 | **1775732001** | 50 |
| 16 | SL-SMT 5.08/16/180 | **1775742001** | 50 |
| 17 | SL-SMT 5.08/17/180 | **1775752001** | 20 |
| 18 | SL-SMT 5.08/18/180 | **1775762001** | 20 |
| 19 | SL-SMT 5.08/19/180 | **1775772001** | 20 |
| 20 | SL-SMT 5.08/20/180 | **1775782001** | 20 |
| 21 | SL-SMT 5.08/21/180 | **1775792001** | 20 |
| 22 | SL-SMT 5.08/22/180 | **1775802001** | 20 |
| 23 | SL-SMT 5.08/23/180 | **1775812001** | 20 |
| 24 | SL-SMT 5.08/24/180 | **1775822001** | 20 |

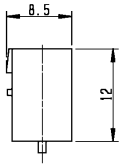
**For detailed product and application information for SMT see chapter "Other Applications" page 180-188.**

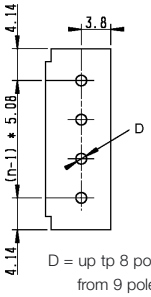
| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 198,199 |
| Miscellaneous | – |

# Omnimate Range - Pitch 5.08 mm

## Pin headers SL-SMT 5.08/180G

new




D = up tp 8 poles Ø 1.4 $^{+0.1}$
from 9 poles Ø 1.5 $^{+0.1}$

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 15 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 215

**Solder pin length** **1.5 mm**
**Tape-on-Reel**
**Colour** ●
**Tape width** **56 mm**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SL-SMT 5.08/2/180G | **1775924001** | 200 |
| 3 | SL-SMT 5.08/3/180G | **1775934001** | 200 |
| 4 | SL-SMT 5.08/4/180G | **1775944001** | 200 |
| 5 | SL-SMT 5.08/5/180G | **1775954001** | 200 |
| 6 | SL-SMT 5.08/6/180G | **1775964001** | 200 |
| 7 | SL-SMT 5.08/7/180G | **1775974001** | 200 |

**For detailed product and application information for SMT see chapter "Other Applications" page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 198,199 |
| Miscellaneous | – |

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 15 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 215

**Solder pin length** **1.5 mm**
**Tray**
**Colour** ●

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| – | – | – | – |
| – | – | – | – |
| 4 | SL-SMT 5.08/4/180G | **1775943001** | 66 |
| 5 | SL-SMT 5.08/5/180G | **1775953001** | 54 |
| 6 | SL-SMT 5.08/6/180G | **1775963001** | 48 |
| 7 | SL-SMT 5.08/7/180G | **1775973001** | 42 |
| 8 | SL-SMT 5.08/8/180G | **1775983001** | 36 |
| 9 | SL-SMT 5.08/9/180G | **1775993001** | 30 |
| 10 | SL-SMT 5.08/10/180G | **1776003001** | 30 |
| 11 | SL-SMT 5.08/11/180G | **1776013001** | 24 |
| 12 | SL-SMT 5.08/12/180G | **1776023001** | 24 |
| 13 | SL-SMT 5.08/13/180G | **1776243001** | 24 |
| 14 | SL-SMT 5.08/14/180G | **1776253001** | 18 |
| 15 | SL-SMT 5.08/15/180G | **1776263001** | 18 |
| 16 | SL-SMT 5.08/16/180G | **1776273001** | 18 |
| 17 | SL-SMT 5.08/17/180G | **1776283001** | 18 |
| 18 | SL-SMT 5.08/18/180G | **1776293001** | 12 |
| 19 | SL-SMT 5.08/19/180G | **1776303001** | 12 |
| 20 | SL-SMT 5.08/20/180G | **1776313001** | 12 |
| 21 | SL-SMT 5.08/21/180G | **1776323001** | 12 |
| 22 | SL-SMT 5.08/22/180G | **1776333001** | 12 |
| 23 | SL-SMT 5.08/23/180G | **1776343001** | 12 |
| 24 | SL-SMT 5.08/24/180G | **1776353001** | 12 |

**For detailed product and application information for SMT see chapter "Other Applications" page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 198,199 |
| Miscellaneous | – |

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 15 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 215

**Solder pin length** **1.5 mm**
**Standard Box**
**Colour** ●

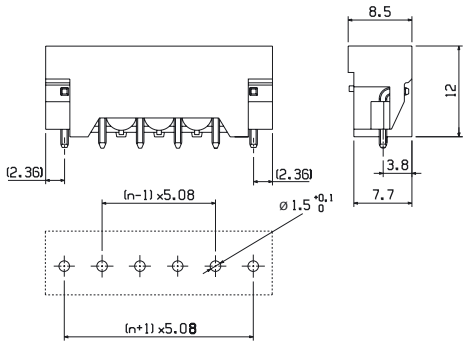
| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SL-SMT 5.08/2/180G | **1775922001** | 100 |
| 3 | SL-SMT 5.08/3/180G | **1775932001** | 100 |
| 4 | SL-SMT 5.08/4/180G | **1775942001** | 100 |
| 5 | SL-SMT 5.08/5/180G | **1775952001** | 50 |
| 6 | SL-SMT 5.08/6/180G | **1775962001** | 50 |
| 7 | SL-SMT 5.08/7/180G | **1775972001** | 50 |
| 8 | SL-SMT 5.08/8/180G | **1775982001** | 50 |
| 9 | SL-SMT 5.08/9/180G | **1775992001** | 50 |
| 10 | SL-SMT 5.08/10/180G | **1776002001** | 50 |
| 11 | SL-SMT 5.08/11/180G | **1776012001** | 50 |
| 12 | SL-SMT 5.08/12/180G | **1776022001** | 50 |
| 13 | SL-SMT 5.08/13/180G | **1776242001** | 50 |
| 14 | SL-SMT 5.08/14/180G | **1776252001** | 50 |
| 15 | SL-SMT 5.08/15/180G | **1776262001** | 50 |
| 16 | SL-SMT 5.08/16/180G | **1776272001** | 50 |
| 17 | SL-SMT 5.08/17/180G | **1776282001** | 20 |
| 18 | SL-SMT 5.08/18/180G | **1776292001** | 20 |
| 19 | SL-SMT 5.08/19/180G | **1776302001** | 20 |
| 20 | SL-SMT 5.08/20/180G | **1776312001** | 20 |
| 21 | SL-SMT 5.08/21/180G | **1776322001** | 20 |
| 22 | SL-SMT 5.08/22/180G | **1776332001** | 20 |
| 23 | SL-SMT 5.08/23/180G | **1776342001** | 20 |
| 24 | SL-SMT 5.08/24/180G | **1776352001** | 20 |

**For detailed product and application information for SMT see chapter "Other Applications" page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 198,199 |
| Miscellaneous | – |

## Pin headers SL-SMT 5.08/180LF

new




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 250* | 300 | 300 |
| Rated current | A | 15 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 215

**Solder pin length** 1.5 mm
**Tape-on-Reel**
**Colour** ●
**Tape width** 56 mm

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SL-SMT 5.08/2/180LF | **1776364001** | 200 |
| 3 | SL-SMT 5.08/3/180LF | **1776374001** | 200 |
| 4 | SL-SMT 5.08/4/180LF | **1776384001** | 200 |
| 5 | SL-SMT 5.08/5/180LF | **1776394001** | 200 |
| 6 | SL-SMT 5.08/6/180LF | **1776404001** | 200 |

**For detailed product and application information for SMT see chapter "Other Applications" page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 196 |
| Coding | 198,199 |
| Miscellaneous | – |

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 250* | 300 | 300 |
| Rated current | A | 15 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 215

**Solder pin length** 1.5 mm
**Tray**
**Colour** ●

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SL-SMT 5.08/2/180LF | **1776363001** | 66 |
| 3 | SL-SMT 5.08/3/180LF | **1776373001** | 54 |
| 4 | SL-SMT 5.08/4/180LF | **1776383001** | 48 |
| 5 | SL-SMT 5.08/5/180LF | **1776393001** | 42 |
| 6 | SL-SMT 5.08/6/180LF | **1776403001** | 36 |
| 7 | SL-SMT 5.08/7/180LF | **1776413001** | 30 |
| 8 | SL-SMT 5.08/8/180LF | **1776423001** | 30 |
| 9 | SL-SMT 5.08/9/180LF | **1776433001** | 24 |
| 10 | SL-SMT 5.08/10/180LF | **1776443001** | 24 |
| 11 | SL-SMT 5.08/11/180LF | **1776453001** | 24 |
| 12 | SL-SMT 5.08/12/180LF | **1776463001** | 18 |
| 13 | SL-SMT 5.08/13/180LF | **1776473001** | 18 |
| 14 | SL-SMT 5.08/14/180LF | **1776483001** | 18 |
| 15 | SL-SMT 5.08/15/180LF | **1776493001** | 18 |
| 16 | SL-SMT 5.08/16/180LF | **1776503001** | 12 |
| 17 | SL-SMT 5.08/17/180LF | **1776513001** | 12 |
| 18 | SL-SMT 5.08/18/180LF | **1776523001** | 12 |
| 19 | SL-SMT 5.08/19/180LF | **1776533001** | 12 |
| 20 | SL-SMT 5.08/20/180LF | **1776543001** | 12 |
| 21 | SL-SMT 5.08/21/180LF | **1776553001** | 12 |
| 22 | SL-SMT 5.08/22/180LF | **1776573001** | 12 |
| 23 | SL-SMT 5.08/23/180LF | **1776583001** | 12 |
| 24 | SL-SMT 5.08/24/180LF | **1776593001** | 12 |

**For detailed product and application information for SMT see chapter "Other Applications" page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 196 |
| Coding | 198,199 |
| Miscellaneous | – |

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 250* | 300 | 300 |
| Rated current | A | 15 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 215

**Solder pin length** 1.5 mm
**Standard Box**
**Colour** ●

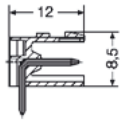
| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SL-SMT 5.08/2/180LF | **1776362001** | 100 |
| 3 | SL-SMT 5.08/3/180LF | **1776372001** | 100 |
| 4 | SL-SMT 5.08/4/180LF | **1776382001** | 100 |
| 5 | SL-SMT 5.08/5/180LF | **1776392001** | 50 |
| 6 | SL-SMT 5.08/6/180LF | **1776402001** | 50 |
| 7 | SL-SMT 5.08/7/180LF | **1776412001** | 50 |
| 8 | SL-SMT 5.08/8/180LF | **1776422001** | 50 |
| 9 | SL-SMT 5.08/9/180LF | **1776432001** | 50 |
| 10 | SL-SMT 5.08/10/180LF | **1776442001** | 50 |
| 11 | SL-SMT 5.08/11/180LF | **1776452001** | 50 |
| 12 | SL-SMT 5.08/12/180LF | **1776462001** | 50 |
| 13 | SL-SMT 5.08/13/180LF | **1776472001** | 50 |
| 14 | SL-SMT 5.08/14/180LF | **1776482001** | 50 |
| 15 | SL-SMT 5.08/15/180LF | **1776492001** | 50 |
| 16 | SL-SMT 5.08/16/180LF | **1776502001** | 50 |
| 17 | SL-SMT 5.08/17/180LF | **1776512001** | 20 |
| 18 | SL-SMT 5.08/18/180LF | **1776522001** | 20 |
| 19 | SL-SMT 5.08/19/180LF | **1776532001** | 20 |
| 20 | SL-SMT 5.08/20/180LF | **1776542001** | 20 |
| 21 | SL-SMT 5.08/21/180LF | **1776552001** | 20 |
| 22 | SL-SMT 5.08/22/180LF | **1776572001** | 20 |
| 23 | SL-SMT 5.08/23/180LF | **1776582001** | 20 |
| 24 | SL-SMT 5.08/24/180LF | **1776592001** | 20 |

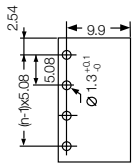
**For detailed product and application information for SMT see chapter "Other Applications" page 180-188.**

| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 196 |
| Coding | 198,199 |
| Miscellaneous | – |

# Omnimate Range - Pitch 5.08 mm

## Pin headers SL 5.08/90


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 250* | 300 | 300 |
| Rated current | A | 12 | 10 | 10 |

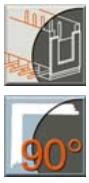
*Overvoltage category III / Pollution severity 3

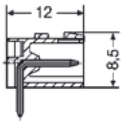
Additional technical data see page 216

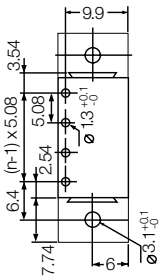
| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | SL 5.08/2/90 | **1508060000** | **1512610000** | 100 |
| 3 | SL 5.08/3/90 | **1508160000** | **1512710000** | 100 |
| 4 | SL 5.08/4/90 | **1508260000** | **1512810000** | 100 |
| 5 | SL 5.08/5/90 | **1508360000** | **1512910000** | 50 |
| 6 | SL 5.08/6/90 | **1508460000** | **1513010000** | 50 |
| 7 | SL 5.08/7/90 | **1508560000** | **1513110000** | 50 |
| 8 | SL 5.08/8/90 | **1508660000** | **1513210000** | 50 |
| 9 | SL 5.08/9/90 | **1508760000** | **1513310000** | 50 |
| 10 | SL 5.08/10/90 | **1508860000** | **1513410000** | 50 |
| 11 | SL 5.08/11/90 | **1508960000** | **1513510000** | 50 |
| 12 | SL 5.08/12/90 | **1509060000** | **1513610000** | 50 |
| 13 | SL 5.08/13/90 | **1509160000** | **1513710000** | 50 |
| 14 | SL 5.08/14/90 | **1509260000** | **1513810000** | 50 |
| 15 | SL 5.08/15/90 | **1509360000** | **1513910000** | 50 |
| 16 | SL 5.08/16/90 | **1509460000** | **1514010000** | 50 |
| 17 | SL 5.08/17/90 | **1509560000** | **1514110000** | 20 |
| 18 | SL 5.08/18/90 | **1509660000** | **1514210000** | 20 |
| 19 | SL 5.08/19/90 | **1509760000** | **1514310000** | 20 |
| 20 | SL 5.08/20/90 | **1509860000** | **1514410000** | 20 |
| 21 | SL 5.08/21/90 | **1509960000** | **1514510000** | 20 |
| 22 | SL 5.08/22/90 | **1510060000** | **1514610000** | 20 |
| 23 | SL 5.08/23/90 | **1510160000** | **1514710000** | 20 |
| 24 | SL 5.08/24/90 | **1510260000** | **1514810000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 198, 199 |
| Miscellaneous | 205 |

## Pin headers SL 5.08/90B




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 250* | 300 | 300 |
| Rated current | A | 12 | 10 | 10 |

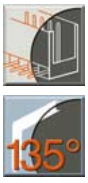
*Overvoltage category III / Pollution severity 3

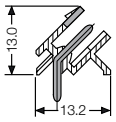
Additional technical data see page 216

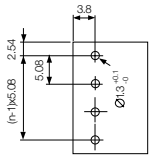
| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | SL 5.08/2/90B | **1510360000** | **1514910000** | 100 |
| 3 | SL 5.08/3/90B | **1510460000** | **1515010000** | 100 |
| 4 | SL 5.08/4/90B | **1510560000** | **1515110000** | 100 |
| 5 | SL 5.08/5/90B | **1510660000** | **1515210000** | 50 |
| 6 | SL 5.08/6/90B | **1510760000** | **1515310000** | 50 |
| 7 | SL 5.08/7/90B | **1510860000** | **1515410000** | 50 |
| 8 | SL 5.08/8/90B | **1510960000** | **1515510000** | 50 |
| 9 | SL 5.08/9/90B | **1511060000** | **1515610000** | 50 |
| 10 | SL 5.08/10/90B | **1511160000** | **1515710000** | 50 |
| 11 | SL 5.08/11/90B | **1511260000** | **1515810000** | 50 |
| 12 | SL 5.08/12/90B | **1511360000** | **1515910000** | 50 |
| 13 | SL 5.08/13/90B | **1511460000** | **1516010000** | 50 |
| 14 | SL 5.08/14/90B | **1511560000** | **1516110000** | 50 |
| 15 | SL 5.08/15/90B | **1511660000** | **1516210000** | 50 |
| 16 | SL 5.08/16/90B | **1511760000** | **1516310000** | 50 |
| 17 | SL 5.08/17/90B | **1511860000** | **1516410000** | 20 |
| 18 | SL 5.08/18/90B | **1511960000** | **1516510000** | 20 |
| 19 | SL 5.08/19/90B | **1512060000** | **1516610000** | 20 |
| 20 | SL 5.08/20/90B | **1512160000** | **1516710000** | 20 |
| 21 | SL 5.08/21/90B | **1512260000** | **1516810000** | 20 |
| 22 | SL 5.08/22/90B | **1512360000** | **1516910000** | 20 |
| 23 | SL 5.08/23/90B | **1512460000** | **1517010000** | 20 |
| 24 | SL 5.08/24/90B | **1512560000** | **1517110000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 198, 199 |
| Miscellaneous | 205 |

## Pin headers SL 5.08/135




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 250* | 300 | 300 |
| Rated current | A | 12 | 10 | 10 |

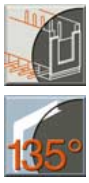
*Overvoltage category III / Pollution severity 3

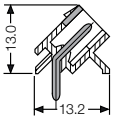
Additional technical data see page 216

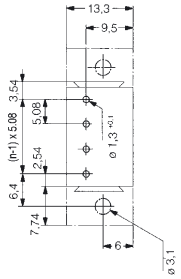
| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | SL 5.08/2/135 | **1603060000** | **1635270000** | 100 |
| 3 | SL 5.08/3/135 | **1603070000** | **1635280000** | 100 |
| 4 | SL 5.08/4/135 | **1603080000** | **1635290000** | 100 |
| 5 | SL 5.08/5/135 | **1603090000** | **1635300000** | 50 |
| 6 | SL 5.08/6/135 | **1603100000** | **1635310000** | 50 |
| 7 | SL 5.08/7/135 | **1603110000** | **1635320000** | 50 |
| 8 | SL 5.08/8/135 | **1603120000** | **1635330000** | 50 |
| 9 | SL 5.08/9/135 | **1603130000** | **1635340000** | 50 |
| 10 | SL 5.08/10/135 | **1603140000** | **1635350000** | 50 |
| 11 | SL 5.08/11/135 | **1603150000** | **1635360000** | 50 |
| 12 | SL 5.08/12/135 | **1603160000** | **1635370000** | 50 |
| 13 | SL 5.08/13/135 | **1603170000** | **1635380000** | 50 |
| 14 | SL 5.08/14/135 | **1603180000** | **1635390000** | 50 |
| 15 | SL 5.08/15/135 | **1603190000** | **1635400000** | 50 |
| 16 | SL 5.08/16/135 | **1603200000** | **1635410000** | 50 |
| 17 | SL 5.08/17/135 | **1603210000** | **1635420000** | 20 |
| 18 | SL 5.08/18/135 | **1603220000** | **1635430000** | 20 |
| 19 | SL 5.08/19/135 | **1603230000** | **1635440000** | 20 |
| 20 | SL 5.08/20/135 | **1603240000** | **1635450000** | 20 |
| 21 | SL 5.08/21/135 | **1603250000** | **1635460000** | 20 |
| 22 | SL 5.08/22/135 | **1603260000** | **1635470000** | 20 |
| 23 | SL 5.08/23/135 | **1603270000** | **1635480000** | 20 |
| 24 | SL 5.08/24/135 | **1603280000** | **1635490000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 198, 199 |
| Miscellaneous | – |

## Pin headers SL 5.08/135B






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |

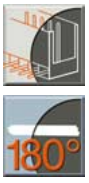
*Overvoltage category III / Pollution severity 3

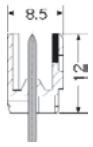
Additional technical data see page 216

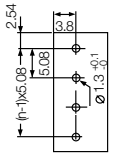
| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | SL 5.08/2/135B | **1605530000** | **1635500000** | 100 |
| 3 | SL 5.08/3/135B | **1605540000** | **1635510000** | 100 |
| 4 | SL 5.08/4/135B | **1605550000** | **1635520000** | 100 |
| 5 | SL 5.08/5/135B | **1605560000** | **1635530000** | 50 |
| 6 | SL 5.08/6/135B | **1605570000** | **1635540000** | 50 |
| 7 | SL 5.08/7/135B | **1605580000** | **1635550000** | 50 |
| 8 | SL 5.08/8/135B | **1605590000** | **1635560000** | 50 |
| 9 | SL 5.08/9/135B | **1605600000** | **1635570000** | 50 |
| 10 | SL 5.08/10/135B | **1605610000** | **1635580000** | 50 |
| 11 | SL 5.08/11/135B | **1605620000** | **1635590000** | 50 |
| 12 | SL 5.08/12/135B | **1605630000** | **1635600000** | 50 |
| 13 | SL 5.08/13/135B | **1605640000** | **1635610000** | 50 |
| 14 | SL 5.08/14/135B | **1605650000** | **1635620000** | 50 |
| 15 | SL 5.08/15/135B | **1605660000** | **1635630000** | 50 |
| 16 | SL 5.08/16/135B | **1605670000** | **1635640000** | 50 |
| 17 | SL 5.08/17/135B | **1605680000** | **1635650000** | 20 |
| 18 | SL 5.08/18/135B | **1605690000** | **1635660000** | 20 |
| 19 | SL 5.08/19/135B | **1605700000** | **1635670000** | 20 |
| 20 | SL 5.08/20/135B | **1605710000** | **1635680000** | 20 |
| 21 | SL 5.08/21/135B | **1605720000** | **1635690000** | 20 |
| 22 | SL 5.08/22/135B | **1605730000** | **1635700000** | 20 |
| 23 | SL 5.08/23/135B | **1605740000** | **1635710000** | 20 |
| 24 | SL 5.08/24/135B | **1605750000** | **1635720000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 198, 199 |
| Miscellaneous | – |

## Pin headers SL 5.08/180






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |

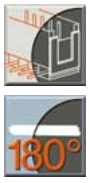
*Overvoltage category III / Pollution severity 3

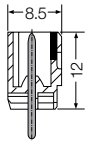
Additional technical data see page 216

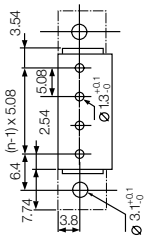
| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | SL 5.08/2/180 | **1517260000** | **1521810000** | 100 |
| 3 | SL 5.08/3/180 | **1517360000** | **1521910000** | 100 |
| 4 | SL 5.08/4/180 | **1517460000** | **1522010000** | 100 |
| 5 | SL 5.08/5/180 | **1517560000** | **1522110000** | 50 |
| 6 | SL 5.08/6/180 | **1517660000** | **1522210000** | 50 |
| 7 | SL 5.08/7/180 | **1517760000** | **1522310000** | 50 |
| 8 | SL 5.08/8/180 | **1517860000** | **1522410000** | 50 |
| 9 | SL 5.08/9/180 | **1517960000** | **1522510000** | 50 |
| 10 | SL 5.08/10/180 | **1518060000** | **1522610000** | 50 |
| 11 | SL 5.08/11/180 | **1518160000** | **1522710000** | 50 |
| 12 | SL 5.08/12/180 | **1518260000** | **1522810000** | 50 |
| 13 | SL 5.08/13/180 | **1518360000** | **1522910000** | 50 |
| 14 | SL 5.08/14/180 | **1518460000** | **1523010000** | 50 |
| 15 | SL 5.08/15/180 | **1518560000** | **1523110000** | 50 |
| 16 | SL 5.08/16/180 | **1518660000** | **1523210000** | 50 |
| 17 | SL 5.08/17/180 | **1518760000** | **1523310000** | 20 |
| 18 | SL 5.08/18/180 | **1518860000** | **1523410000** | 20 |
| 19 | SL 5.08/19/180 | **1518960000** | **1523510000** | 20 |
| 20 | SL 5.08/20/180 | **1519060000** | **1523610000** | 20 |
| 21 | SL 5.08/21/180 | **1519160000** | **1523710000** | 20 |
| 22 | SL 5.08/22/180 | **1519260000** | **1523810000** | 20 |
| 23 | SL 5.08/23/180 | **1519360000** | **1523910000** | 20 |
| 24 | SL 5.08/24/180 | **1519460000** | **1524010000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 198, 199 |
| Miscellaneous | – |

## Pin headers SL 5.08/180B






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

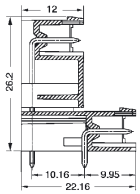
Additional technical data see page 216

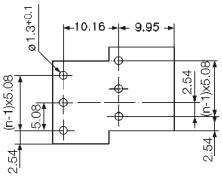
| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | SL 5.08/2/180B | **1519560000** | **1524110000** | 100 |
| 3 | SL 5.08/3/180B | **1519660000** | **1524210000** | 100 |
| 4 | SL 5.08/4/180B | **1519760000** | **1524310000** | 100 |
| 5 | SL 5.08/5/180B | **1519860000** | **1524410000** | 50 |
| 6 | SL 5.08/6/180B | **1519960000** | **1524510000** | 50 |
| 7 | SL 5.08/7/180B | **1520060000** | **1524610000** | 50 |
| 8 | SL 5.08/8/180B | **1520160000** | **1524710000** | 50 |
| 9 | SL 5.08/9/180B | **1520260000** | **1524810000** | 50 |
| 10 | SL 5.08/10/180B | **1520360000** | **1524910000** | 50 |
| 11 | SL 5.08/11/180B | **1520460000** | **1525010000** | 50 |
| 12 | SL 5.08/12/180B | **1520560000** | **1525110000** | 50 |
| 13 | SL 5.08/13/180B | **1520660000** | **1525210000** | 50 |
| 14 | SL 5.08/14/180B | **1520760000** | **1525310000** | 50 |
| 15 | SL 5.08/15/180B | **1520860000** | **1525410000** | 50 |
| 16 | SL 5.08/16/180B | **1520960000** | **1525510000** | 50 |
| 17 | SL 5.08/17/180B | **1521060000** | **1525610000** | 20 |
| 18 | SL 5.08/18/180B | **1521160000** | **1525710000** | 20 |
| 19 | SL 5.08/19/180B | **1521260000** | **1525810000** | 20 |
| 20 | SL 5.08/20/180B | **1521360000** | **1525910000** | 20 |
| 21 | SL 5.08/21/180B | **1521460000** | **1526010000** | 20 |
| 22 | SL 5.08/22/180B | **1521560000** | **1526110000** | 20 |
| 23 | SL 5.08/23/180B | **1521660000** | **1526210000** | 20 |
| 24 | SL 5.08/24/180B | **1521760000** | **1526310000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 198, 199 |
| Miscellaneous | – |

# Omnimate Range - Pitch 5.08 mm

## Pin headers SLD 5.08V/90


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 250* | 300 | 300 |
| Rated current | A | 7 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

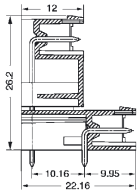
Additional technical data see page 217

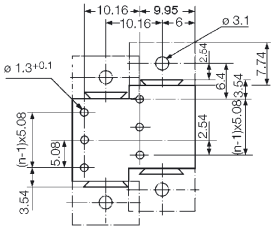
| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 4 | SLD 5.08V/4/90 | **1725170000** | **1725420000** | 100 |
| 6 | SLD 5.08V/6/90 | **1725180000** | **1725430000** | 100 |
| 8 | SLD 5.08V/8/90 | **1725190000** | **1725440000** | 100 |
| 10 | SLD 5.08V/10/90 | **1725200000** | **1725450000** | 50 |
| 12 | SLD 5.08V/12/90 | **1725210000** | **1725460000** | 50 |
| 14 | SLD 5.08V/14/90 | **1725220000** | **1725470000** | 50 |
| 16 | SLD 5.08V/16/90 | **1725230000** | **1725480000** | 50 |
| 18 | SLD 5.08V/18/90 | **1725240000** | **1725490000** | 50 |
| 20 | SLD 5.08V/20/90 | **1725250000** | **1725500000** | 50 |
| 22 | SLD 5.08V/22/90 | **1725260000** | **1725510000** | 50 |
| 24 | SLD 5.08V/24/90 | **1725270000** | **1725520000** | 50 |
| 26 | SLD 5.08V/26/90 | **1725280000** | **1725530000** | 50 |
| 28 | SLD 5.08V/28/90 | **1725290000** | **1725540000** | 50 |
| 30 | SLD 5.08V/30/90 | **1725300000** | **1725550000** | 50 |
| 32 | SLD 5.08V/32/90 | **1725310000** | **1725560000** | 50 |
| 34 | SLD 5.08V/34/90 | **1725320000** | **1725570000** | 50 |
| 36 | SLD 5.08V/36/90 | **1725330000** | **1725580000** | 20 |
| 38 | SLD 5.08V/38/90 | **1725340000** | **1725590000** | 20 |
| 40 | SLD 5.08V/40/90 | **1725350000** | **1725600000** | 20 |
| 42 | SLD 5.08V/42/90 | **1725360000** | **1725610000** | 20 |
| 44 | SLD 5.08V/44/90 | **1725370000** | **1725620000** | 20 |
| 46 | SLD 5.08V/46/90 | **1725380000** | **1725630000** | 20 |
| 48 | SLD 5.08V/48/90 | **1725390000** | **1725640000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 194 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

## Pin headers SLD 5.08V/90B

new


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 250* | 300 | 300 |
| Rated current | A | 7 | 10 | 10 |

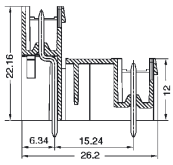
*Overvoltage category III / Pollution severity 3

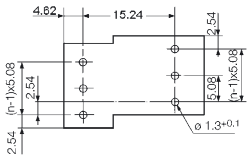
Additional technical data see page 217

| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 4 | SLD 5.08V/4/90B | **1726280000** | **1726510000** | 100 |
| 6 | SLD 5.08V/6/90B | **1726290000** | **1726520000** | 100 |
| 8 | SLD 5.08V/8/90B | **1726300000** | **1726530000** | 100 |
| 10 | SLD 5.08V/10/90B | **1726310000** | **1726540000** | 50 |
| 12 | SLD 5.08V/12/90B | **1726320000** | **1726550000** | 50 |
| 14 | SLD 5.08V/14/90B | **1726330000** | **1726560000** | 50 |
| 16 | SLD 5.08V/16/90B | **1726340000** | **1726570000** | 50 |
| 18 | SLD 5.08V/18/90B | **1726350000** | **1726580000** | 50 |
| 20 | SLD 5.08V/20/90B | **1726360000** | **1726590000** | 50 |
| 22 | SLD 5.08V/22/90B | **1726370000** | **1726600000** | 50 |
| 24 | SLD 5.08V/24/90B | **1726380000** | **1726610000** | 50 |
| 26 | SLD 5.08V/26/90B | **1726390000** | **1726620000** | 50 |
| 28 | SLD 5.08V/28/90B | **1726400000** | **1726630000** | 50 |
| 30 | SLD 5.08V/30/90B | **1726410000** | **1726640000** | 50 |
| 32 | SLD 5.08V/32/90B | **1726420000** | **1726650000** | 50 |
| 34 | SLD 5.08V/34/90B | **1726430000** | **1726660000** | 50 |
| 36 | SLD 5.08V/36/90B | **1726440000** | **1726670000** | 20 |
| 38 | SLD 5.08V/38/90B | **1726450000** | **1726680000** | 20 |
| 40 | SLD 5.08V/40/90B | **1726460000** | **1726690000** | 20 |
| 42 | SLD 5.08V/42/90B | **1726470000** | **1726700000** | 20 |
| 44 | SLD 5.08V/44/90B | **1726480000** | **1726710000** | 20 |
| 46 | SLD 5.08V/46/90B | **1726490000** | **1726720000** | 20 |
| 48 | SLD 5.08V/48/90B | **1726500000** | **1726730000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

## Pin headers SLD 5.08V/180


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 250* | 300 | 300 |
| Rated current | A | 7 | 10 | 10 |

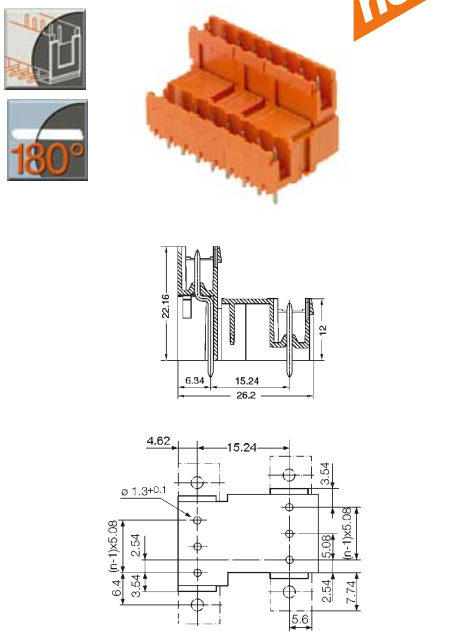
*Overvoltage category III / Pollution severity 3

Additional technical data see page 217

| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 4 | SLD 5.08V/4/180 | **1725650000** | **1725880000** | 100 |
| 6 | SLD 5.08V/6/180 | **1725660000** | **1725890000** | 100 |
| 8 | SLD 5.08V/8/180 | **1725670000** | **1725900000** | 100 |
| 10 | SLD 5.08V/10/180 | **1725680000** | **1725910000** | 50 |
| 12 | SLD 5.08V/12/180 | **1725690000** | **1725920000** | 50 |
| 14 | SLD 5.08V/14/180 | **1725700000** | **1725930000** | 50 |
| 16 | SLD 5.08V/16/180 | **1725710000** | **1725940000** | 50 |
| 18 | SLD 5.08V/18/180 | **1725720000** | **1725950000** | 50 |
| 20 | SLD 5.08V/20/180 | **1725730000** | **1725960000** | 50 |
| 22 | SLD 5.08V/22/180 | **1725740000** | **1725970000** | 50 |
| 24 | SLD 5.08V/24/180 | **1725750000** | **1725980000** | 50 |
| 26 | SLD 5.08V/26/180 | **1725760000** | **1725990000** | 50 |
| 28 | SLD 5.08V/28/180 | **1725770000** | **1726000000** | 50 |
| 30 | SLD 5.08V/30/180 | **1725780000** | **1726010000** | 50 |
| 32 | SLD 5.08V/32/180 | **1725790000** | **1726020000** | 50 |
| 34 | SLD 5.08V/34/180 | **1725800000** | **1726030000** | 50 |
| 36 | SLD 5.08V/36/180 | **1725810000** | **1726040000** | 20 |
| 38 | SLD 5.08V/38/180 | **1725820000** | **1726050000** | 20 |
| 40 | SLD 5.08V/40/180 | **1725830000** | **1726060000** | 20 |
| 42 | SLD 5.08V/42/180 | **1725840000** | **1726070000** | 20 |
| 44 | SLD 5.08V/44/180 | **1725850000** | **1726080000** | 20 |
| 46 | SLD 5.08V/46/180 | **1725860000** | **1726090000** | 20 |
| 48 | SLD 5.08V/48/180 | **1725870000** | **1726100000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 194 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

## Pin headers SLD 5.08V/180B




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 7 | 10 | 10 |

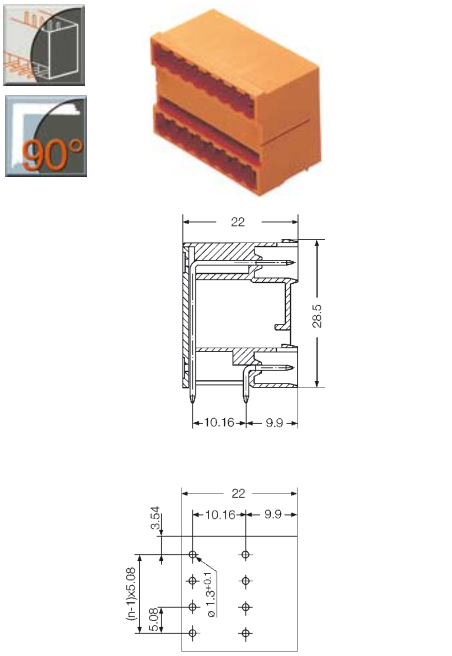
*Overvoltage category III / Pollution severity 3

Additional technical data see page 217

| Solder pin length | | 3.2 mm | 4.5 mm |
|---|---|---|---|
| Colour | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 4 | SLD 5.08V/4/180B | **1726740000** | **1726970000** | 100 |
| 6 | SLD 5.08V/6/180B | **1726750000** | **1726980000** | 100 |
| 8 | SLD 5.08V/8/180B | **1726760000** | **1726990000** | 100 |
| 10 | SLD 5.08V/10/180B | **1726770000** | **1727000000** | 50 |
| 12 | SLD 5.08V/12/180B | **1726780000** | **1727010000** | 50 |
| 14 | SLD 5.08V/14/180B | **1726790000** | **1727020000** | 50 |
| 16 | SLD 5.08V/16/180B | **1726800000** | **1727030000** | 50 |
| 18 | SLD 5.08V/18/180B | **1726810000** | **1727040000** | 50 |
| 20 | SLD 5.08V/20/180B | **1726820000** | **1727050000** | 50 |
| 22 | SLD 5.08V/22/180B | **1726830000** | **1727060000** | 50 |
| 24 | SLD 5.08V/24/180B | **1726840000** | **1727070000** | 50 |
| 26 | SLD 5.08V/26/180B | **1726850000** | **1727080000** | 50 |
| 28 | SLD 5.08V/28/180B | **1726860000** | **1727090000** | 50 |
| 30 | SLD 5.08V/30/180B | **1726870000** | **1727100000** | 50 |
| 32 | SLD 5.08V/32/180B | **1726880000** | **1727110000** | 50 |
| 34 | SLD 5.08V/34/180B | **1726890000** | **1727120000** | 50 |
| 36 | SLD 5.08V/36/180B | **1726900000** | **1727130000** | 20 |
| 38 | SLD 5.08V/38/180B | **1726910000** | **1727140000** | 20 |
| 40 | SLD 5.08V/40/180B | **1726920000** | **1727150000** | 20 |
| 42 | SLD 5.08V/42/180B | **1726930000** | **1727160000** | 20 |
| 44 | SLD 5.08V/44/180B | **1726940000** | **1727170000** | 20 |
| 46 | SLD 5.08V/46/180B | **1726950000** | **1727180000** | 20 |
| 48 | SLD 5.08V/48/180B | **1726960000** | **1727190000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

## Pin headers SLD 5.08R20




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 8 | 10 | 10 |

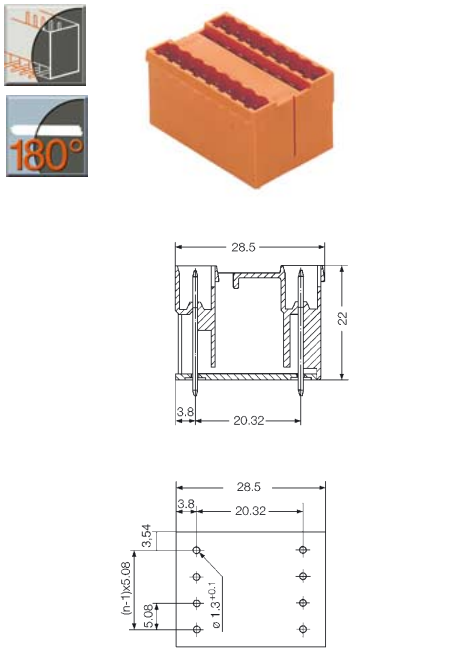
*Overvoltage category III / Pollution severity 3

Additional technical data see page 216

| Solder pin length | | 3.2 mm | 4.5 mm |
|---|---|---|---|
| Colour | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 4 | SLD 5.08R20/4 | **1601790000** | **1711450000** | 50 |
| 6 | SLD 5.08R20/6 | **1601800000** | **1675320000** | 50 |
| 8 | SLD 5.08R20/8 | **1601810000** | **1675330000** | 50 |
| 10 | SLD 5.08R20/10 | **1601820000** | **1711480000** | 50 |
| 12 | SLD 5.08R20/12 | **1601830000** | **1711490000** | 50 |
| 14 | SLD 5.08R20/14 | **1601840000** | **1711500000** | 20 |
| 16 | SLD 5.08R20/16 | **1601850000** | **1711510000** | 20 |
| 18 | SLD 5.08R20/18 | **1601860000** | **1711520000** | 20 |
| 20 | SLD 5.08R20/20 | **1601870000** | **1711530000** | 20 |
| 22 | SLD 5.08R20/22 | **1601880000** | **1711540000** | 10 |
| 24 | SLD 5.08R20/24 | **1601890000** | **1711550000** | 10 |
| 26 | SLD 5.08R20/26 | **1601900000** | **1711560000** | 10 |
| 28 | SLD 5.08R20/28 | **1601910000** | **1711570000** | 10 |
| 30 | SLD 5.08R20/30 | **1601920000** | **1711580000** | 10 |
| 32 | SLD 5.08R20/32 | **1601930000** | **1711590000** | 10 |
| 34 | SLD 5.08R20/34 | **1601940000** | **1711600000** | 10 |
| 36 | SLD 5.08R20/36 | **1601950000** | **1711610000** | 10 |
| 38 | SLD 5.08R20/38 | **1601960000** | **1711620000** | 10 |
| 40 | SLD 5.08R20/40 | **1601970000** | **1711630000** | 10 |
| 42 | SLD 5.08R20/42 | **1601980000** | **1711640000** | 10 |
| 44 | SLD 5.08R20/44 | **1601990000** | **1711650000** | 10 |
| 46 | SLD 5.08R20/46 | **1602000000** | **1711660000** | 10 |
| 48 | SLD 5.08R20/48 | **1602010000** | **1711670000** | 10 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 198, 199 |
| Miscellaneous | – |

## Pin headers SLD 5.08R20




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 8 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

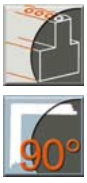
Additional technical data see page 216

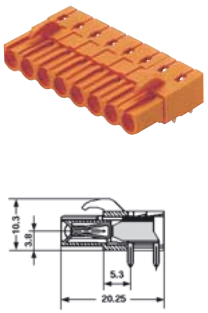
| Solder pin length | | 3.2 mm | 4.5 mm |
|---|---|---|---|
| Colour | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 4 | SLD 5.08R20/4 | **1602390000** | **1711680000** | 50 |
| 6 | SLD 5.08R20/6 | **1602400000** | **1711690000** | 50 |
| 8 | SLD 5.08R20/8 | **1602410000** | **1711700000** | 50 |
| 10 | SLD 5.08R20/10 | **1602420000** | **1711710000** | 50 |
| 12 | SLD 5.08R20/12 | **1602430000** | **1711720000** | 50 |
| 14 | SLD 5.08R20/14 | **1602440000** | **1711730000** | 20 |
| 16 | SLD 5.08R20/16 | **1602450000** | **1676730000** | 20 |
| 18 | SLD 5.08R20/18 | **1602460000** | **1711750000** | 20 |
| 20 | SLD 5.08R20/20 | **1602470000** | **1711760000** | 20 |
| 22 | SLD 5.08R20/22 | **1602480000** | **1711770000** | 10 |
| 24 | SLD 5.08R20/24 | **1602490000** | **1711780000** | 10 |
| 26 | SLD 5.08R20/26 | **1602500000** | **1711790000** | 10 |
| 28 | SLD 5.08R20/28 | **1602510000** | **1711800000** | 10 |
| 30 | SLD 5.08R20/30 | **1602520000** | **1711810000** | 10 |
| 32 | SLD 5.08R20/32 | **1602530000** | **1711820000** | 10 |
| 34 | SLD 5.08R20/34 | **1602540000** | **1711830000** | 10 |
| 36 | SLD 5.08R20/36 | **1602550000** | **1711840000** | 10 |
| 38 | SLD 5.08R20/38 | **1602560000** | **1711850000** | 10 |
| 40 | SLD 5.08R20/40 | **1602570000** | **1711860000** | 10 |
| 42 | SLD 5.08R20/42 | **1602580000** | **1711870000** | 10 |
| 44 | SLD 5.08R20/44 | **1602590000** | **1711880000** | 10 |
| 46 | SLD 5.08R20/46 | **1602600000** | **1711890000** | 10 |
| 48 | SLD 5.08R20/48 | **1602610000** | **1711900000** | 10 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 198, 199 |
| Miscellaneous | – |

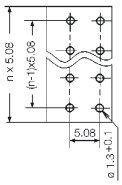
# Omnimate Range - Pitch 5.08 mm

## Socket blocks BLL 5.08/90






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |

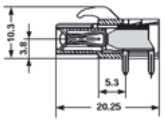
*Overvoltage category III / Pollution severity 3

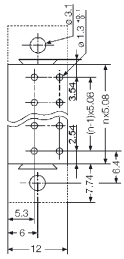
Additional technical data see page 217

| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLL 5.08/2/90 | **1622940000** | **1646030000** | 100 |
| 3 | BLL 5.08/3/90 | **1622950000** | **1646040000** | 100 |
| 4 | BLL 5.08/4/90 | **1622960000** | **1646050000** | 100 |
| 5 | BLL 5.08/5/90 | **1622970000** | **1646060000** | 50 |
| 6 | BLL 5.08/6/90 | **1622980000** | **1646070000** | 50 |
| 7 | BLL 5.08/7/90 | **1622990000** | **1646080000** | 50 |
| 8 | BLL 5.08/8/90 | **1623000000** | **1646090000** | 50 |
| 9 | BLL 5.08/9/90 | **1623010000** | **1646100000** | 50 |
| 10 | BLL 5.08/10/90 | **1623020000** | **1646110000** | 50 |
| 11 | BLL 5.08/11/90 | **1623030000** | **1646120000** | 50 |
| 12 | BLL 5.08/12/90 | **1623040000** | **1646130000** | 50 |
| 13 | BLL 5.08/13/90 | **1648420000** | **1648780000** | 50 |
| 14 | BLL 5.08/14/90 | **1648430000** | **1648790000** | 50 |
| 15 | BLL 5.08/15/90 | **1648440000** | **1648800000** | 50 |
| 16 | BLL 5.08/16/90 | **1648450000** | **1648810000** | 50 |
| 17 | BLL 5.08/17/90 | **1648460000** | **1648820000** | 20 |
| 18 | BLL 5.08/18/90 | **1648470000** | **1648830000** | 20 |
| 19 | BLL 5.08/19/90 | **1648480000** | **1648840000** | 20 |
| 20 | BLL 5.08/20/90 | **1648490000** | **1648850000** | 20 |
| 21 | BLL 5.08/21/90 | **1648500000** | **1648860000** | 20 |
| 22 | BLL 5.08/22/90 | **1648510000** | **1648870000** | 20 |
| 23 | BLL 5.08/23/90 | **1648520000** | **1648880000** | 20 |
| 24 | BLL 5.08/24/90 | **1648530000** | **1648890000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

## Socket blocks BLL 5.08/90B


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |

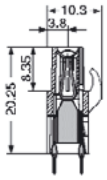
*Overvoltage category III / Pollution severity 3

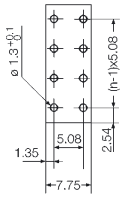
Additional technical data see page 217

| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLL 5.08/2/90B | **1682500000** | **1684000000** | 100 |
| 3 | BLL 5.08/3/90B | **1682510000** | **1684010000** | 100 |
| 4 | BLL 5.08/4/90B | **1682520000** | **1684020000** | 100 |
| 5 | BLL 5.08/5/90B | **1682530000** | **1684030000** | 50 |
| 6 | BLL 5.08/6/90B | **1682540000** | **1684040000** | 50 |
| 7 | BLL 5.08/7/90B | **1682550000** | **1684050000** | 50 |
| 8 | BLL 5.08/8/90B | **1682560000** | **1684060000** | 50 |
| 9 | BLL 5.08/9/90B | **1682570000** | **1684070000** | 50 |
| 10 | BLL 5.08/10/90B | **1682580000** | **1684080000** | 50 |
| 11 | BLL 5.08/11/90B | **1682590000** | **1684090000** | 50 |
| 12 | BLL 5.08/12/90B | **1682600000** | **1684100000** | 50 |
| 13 | BLL 5.08/13/90B | **1682610000** | **1684110000** | 50 |
| 14 | BLL 5.08/14/90B | **1682620000** | **1684120000** | 50 |
| 15 | BLL 5.08/15/90B | **1682630000** | **1684130000** | 50 |
| 16 | BLL 5.08/16/90B | **1682640000** | **1684140000** | 50 |
| 17 | BLL 5.08/17/90B | **1682650000** | **1684150000** | 20 |
| 18 | BLL 5.08/18/90B | **1682660000** | **1684160000** | 20 |
| 19 | BLL 5.08/19/90B | **1682670000** | **1684170000** | 20 |
| 20 | BLL 5.08/20/90B | **1682680000** | **1684180000** | 20 |
| 21 | BLL 5.08/21/90B | **1682690000** | **1684190000** | 20 |
| 22 | BLL 5.08/22/90B | **1682700000** | **1684200000** | 20 |
| 23 | BLL 5.08/23/90B | **1682710000** | **1684210000** | 20 |
| 24 | BLL 5.08/24/90B | **1682720000** | **1684220000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

## Socket blocks BLL 5.08/180


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |

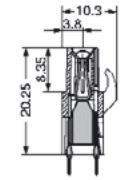
*Overvoltage category III / Pollution severity 3

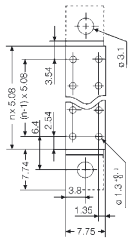
Additional technical data see page 217

| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLL 5.08/2/180 | **1630710000** | **1646250000** | 100 |
| 3 | BLL 5.08/3/180 | **1630720000** | **1646260000** | 100 |
| 4 | BLL 5.08/4/180 | **1630730000** | **1646270000** | 100 |
| 5 | BLL 5.08/5/180 | **1630740000** | **1646280000** | 50 |
| 6 | BLL 5.08/6/180 | **1630750000** | **1646290000** | 50 |
| 7 | BLL 5.08/7/180 | **1630760000** | **1646300000** | 50 |
| 8 | BLL 5.08/8/180 | **1630770000** | **1646310000** | 50 |
| 9 | BLL 5.08/9/180 | **1630780000** | **1646320000** | 50 |
| 10 | BLL 5.08/10/180 | **1630790000** | **1646330000** | 50 |
| 11 | BLL 5.08/11/180 | **1630800000** | **1646340000** | 50 |
| 12 | BLL 5.08/12/180 | **1630810000** | **1646350000** | 50 |
| 13 | BLL 5.08/13/180 | **1648900000** | **1649140000** | 50 |
| 14 | BLL 5.08/14/180 | **1648910000** | **1649150000** | 50 |
| 15 | BLL 5.08/15/180 | **1648920000** | **1649160000** | 50 |
| 16 | BLL 5.08/16/180 | **1648930000** | **1649170000** | 50 |
| 17 | BLL 5.08/17/180 | **1648940000** | **1649180000** | 20 |
| 18 | BLL 5.08/18/180 | **1648950000** | **1649190000** | 20 |
| 19 | BLL 5.08/19/180 | **1648960000** | **1649200000** | 20 |
| 20 | BLL 5.08/20/180 | **1648970000** | **1649210000** | 20 |
| 21 | BLL 5.08/21/180 | **1648980000** | **1649220000** | 20 |
| 22 | BLL 5.08/22/180 | **1648990000** | **1649230000** | 20 |
| 23 | BLL 5.08/23/180 | **1649000000** | **1649240000** | 20 |
| 24 | BLL 5.08/24/180 | **1649010000** | **1649250000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

## Socket blocks BLL 5.08/180B




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

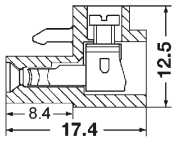
Additional technical data see page 217

| **Solder pin length** | | **3.2 mm** | **4.5 mm** | |
|---|---|---|---|---|
| **Colour** | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLL 5.08/2/180B | **1682730000** | **1684230000** | 100 |
| 3 | BLL 5.08/3/180B | **1682740000** | **1684240000** | 100 |
| 4 | BLL 5.08/4/180B | **1682750000** | **1684250000** | 100 |
| 5 | BLL 5.08/5/180B | **1682760000** | **1684260000** | 50 |
| 6 | BLL 5.08/6/180B | **1682770000** | **1684270000** | 50 |
| 7 | BLL 5.08/7/180B | **1682780000** | **1684280000** | 50 |
| 8 | BLL 5.08/8/180B | **1682790000** | **1684290000** | 50 |
| 9 | BLL 5.08/9/180B | **1682800000** | **1684300000** | 50 |
| 10 | BLL 5.08/10/180B | **1682810000** | **1684310000** | 50 |
| 11 | BLL 5.08/11/180B | **1682820000** | **1684320000** | 50 |
| 12 | BLL 5.08/12/180B | **1682830000** | **1684330000** | 50 |
| 13 | BLL 5.08/13/180B | **1682840000** | **1684340000** | 50 |
| 14 | BLL 5.08/14/180B | **1682850000** | **1684350000** | 50 |
| 15 | BLL 5.08/15/180B | **1682860000** | **1684360000** | 50 |
| 16 | BLL 5.08/16/180B | **1682870000** | **1684370000** | 50 |
| 17 | BLL 5.08/17/180B | **1682880000** | **1684380000** | 20 |
| 18 | BLL 5.08/18/180B | **1682890000** | **1684390000** | 20 |
| 19 | BLL 5.08/19/180B | **1682900000** | **1684400000** | 20 |
| 20 | BLL 5.08/20/180B | **1682910000** | **1684410000** | 20 |
| 21 | BLL 5.08/21/180B | **1682920000** | **1684420000** | 20 |
| 22 | BLL 5.08/22/180B | **1682930000** | **1684430000** | 20 |
| 23 | BLL 5.08/23/180B | **1682940000** | **1684440000** | 20 |
| 24 | BLL 5.08/24/180B | **1682950000** | **1684450000** | 20 |

| **Accessories** | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

# Omnimate Range - Pitch 5.08 mm


## Socket blocks BL 5.08




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 8 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 1.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

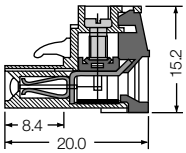
Additional technical data see page 218

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BL 5.08/2 | **1716320000** | **1716470000** | 100 |
| 3 | BL 5.08/3 | **1716330000** | **1716480000** | 100 |
| 4 | BL 5.08/4 | **1716340000** | **1716490000** | 100 |
| 5 | BL 5.08/5 | **1716350000** | **1716500000** | 50 |
| 6 | BL 5.08/6 | **1716360000** | **1716510000** | 50 |
| 7 | BL 5.08/7 | **1716370000** | **1716520000** | 50 |
| 8 | BL 5.08/8 | **1716380000** | **1716530000** | 50 |
| 9 | BL 5.08/9 | **1716390000** | **1716540000** | 50 |
| 10 | BL 5.08/10 | **1716400000** | **1716550000** | 50 |
| 11 | BL 5.08/11 | **1716410000** | **1716560000** | 50 |
| 12 | BL 5.08/12 | **1716420000** | **1716570000** | 50 |
| 13 | BL 5.08/13 | **1716430000** | **1716580000** | 50 |
| 14 | BL 5.08/14 | **1716440000** | **1716590000** | 50 |
| 15 | BL 5.08/15 | **1716450000** | **1716600000** | 50 |
| 16 | BL 5.08/16 | **1716460000** | **1716610000** | 50 |

**Due to torque requirements do not connect wires to socket when connectors are already mated!**

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | – |
| Miscellaneous | 201-207 |

## Socket blocks BLZ 5.08




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 2.5 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

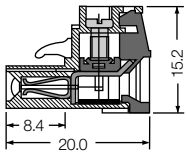
Additional technical data see page 218

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLZ 5.08/2 | **1526460000** | **1526410000** | 100 |
| 3 | BLZ 5.08/3 | **1526560000** | **1526510000** | 100 |
| 4 | BLZ 5.08/4 | **1526660000** | **1526610000** | 100 |
| 5 | BLZ 5.08/5 | **1526760000** | **1526710000** | 50 |
| 6 | BLZ 5.08/6 | **1526860000** | **1526810000** | 50 |
| 7 | BLZ 5.08/7 | **1526960000** | **1526910000** | 50 |
| 8 | BLZ 5.08/8 | **1527060000** | **1527010000** | 50 |
| 9 | BLZ 5.08/9 | **1527160000** | **1527110000** | 50 |
| 10 | BLZ 5.08/10 | **1527260000** | **1527210000** | 50 |
| 11 | BLZ 5.08/11 | **1527360000** | **1527310000** | 50 |
| 12 | BLZ 5.08/12 | **1527460000** | **1527410000** | 50 |
| 13 | BLZ 5.08/13 | **1527560000** | **1527510000** | 50 |
| 14 | BLZ 5.08/14 | **1527660000** | **1527610000** | 50 |
| 15 | BLZ 5.08/15 | **1527760000** | **1527710000** | 50 |
| 16 | BLZ 5.08/16 | **1527860000** | **1527810000** | 50 |
| 17 | BLZ 5.08/17 | **1527960000** | **1527910000** | 20 |
| 18 | BLZ 5.08/18 | **1528060000** | **1528010000** | 20 |
| 19 | BLZ 5.08/19 | **1528160000** | **1528110000** | 20 |
| 20 | BLZ 5.08/20 | **1528260000** | **1528210000** | 20 |
| 21 | BLZ 5.08/21 | **1528360000** | **1528310000** | 20 |
| 22 | BLZ 5.08/22 | **1528460000** | **1528410000** | 20 |
| 23 | BLZ 5.08/23 | **1528560000** | **1528510000** | 20 |
| 24 | BLZ 5.08/24 | **1528660000** | **1528610000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 201-207, 212, 213 |

## Socket blocks BLZ 5.08 PRINT

Printed Version




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 2.5 | 12 | 12 |

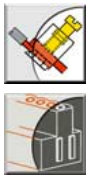
*Overvoltage category III / Pollution severity 3

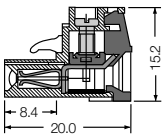
Additional technical data see page 218

| Colour | | | |
|---|---|---|---|
| Poles | Type | Cat. No. | Qty. |
| 2 | BLZ 5.08/2 Printed | **159424 0000** | 100 |
| 3 | BLZ 5.08/3 Printed | **159425 0000** | 100 |
| 4 | BLZ 5.08/4 Printed | **159426 0000** | 100 |
| 5 | BLZ 5.08/5 Printed | **168838 0000** | 50 |
| 6 | BLZ 5.08/6 Printed | **159427 0000** | 50 |
| 7 | BLZ 5.08/7 Printed | **173355 1001** | 50 |
| 8 | BLZ 5.08/8 Printed | **165345 1001** | 50 |
| 9 | BLZ 5.08/9 Printed | **173356 1001** | 50 |
| 10 | BLZ 5.08/10 Printed | **168839 0000** | 50 |
| 11 | BLZ 5.08/11 Printed | **168840 0000** | 50 |
| 12 | BLZ 5.08/12 Printed | **169576 1001** | 50 |
| 14 | BLZ 5.08/14 Printed | **168841 0000** | 50 |
| 20 | BLZ 5.08/20 Printed | **168987 1001** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | integrated in product |
| Coding | 199 |
| Miscellaneous | 201-207 |


## Socket blocks BLZ 5.08B






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

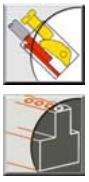
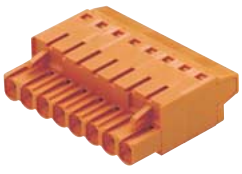
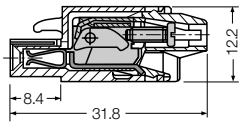
*Overvoltage category III / Pollution severity 3

Additional technical data see page 218

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLZ 5.08/2B | **1528760000** | **1528710000** | 100 |
| 3 | BLZ 5.08/3B | **1528860000** | **1528810000** | 100 |
| 4 | BLZ 5.08/4B | **1528960000** | **1528910000** | 100 |
| 5 | BLZ 5.08/5B | **1529060000** | **1529010000** | 50 |
| 6 | BLZ 5.08/6B | **1529160000** | **1529110000** | 50 |
| 7 | BLZ 5.08/7B | **1529260000** | **1529210000** | 50 |
| 8 | BLZ 5.08/8B | **1529360000** | **1529310000** | 50 |
| 9 | BLZ 5.08/9B | **1529460000** | **1529410000** | 50 |
| 10 | BLZ 5.08/10B | **1529560000** | **1529510000** | 50 |
| 11 | BLZ 5.08/11B | **1529660000** | **1529610000** | 50 |
| 12 | BLZ 5.08/12B | **1529760000** | **1529710000** | 50 |
| 13 | BLZ 5.08/13B | **1529860000** | **1529810000** | 50 |
| 14 | BLZ 5.08/14B | **1529960000** | **1529910000** | 50 |
| 15 | BLZ 5.08/15B | **1530060000** | **1530010000** | 50 |
| 16 | BLZ 5.08/16B | **1530160000** | **1530110000** | 50 |
| 17 | BLZ 5.08/17B | **1530260000** | **1530210000** | 20 |
| 18 | BLZ 5.08/18B | **1530360000** | **1530310000** | 20 |
| 19 | BLZ 5.08/19B | **1530460000** | **1530410000** | 20 |
| 20 | BLZ 5.08/20B | **1530560000** | **1530510000** | 20 |
| 21 | BLZ 5.08/21B | **1530660000** | **1530610000** | 20 |
| 22 | BLZ 5.08/22B | **1530760000** | **1530710000** | 20 |
| 23 | BLZ 5.08/23B | **1530860000** | **1530810000** | 20 |
| 24 | BLZ 5.08/24B | **1530960000** | **1530910000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 201-207 |

## Socket blocks BLT 5.08


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 10 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 1.5 | 12 | 12 |

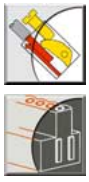
*Overvoltage category III / Pollution severity 3

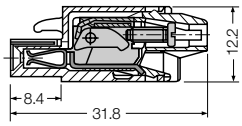
Additional technical data see page 219

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLT 5.08/2 | **1499560000** | **1499510000** | 100 |
| 3 | BLT 5.08/3 | **1499660000** | **1499610000** | 100 |
| 4 | BLT 5.08/4 | **1499760000** | **1499710000** | 100 |
| 5 | BLT 5.08/5 | **1499860000** | **1499810000** | 50 |
| 6 | BLT 5.08/6 | **1499960000** | **1499910000** | 50 |
| 7 | BLT 5.08/7 | **1500060000** | **1500010000** | 50 |
| 8 | BLT 5.08/8 | **1500160000** | **1500110000** | 50 |
| 9 | BLT 5.08/9 | **1500260000** | **1500210000** | 50 |
| 10 | BLT 5.08/10 | **1500360000** | **1500310000** | 50 |
| 11 | BLT 5.08/11 | **1500460000** | **1500410000** | 50 |
| 12 | BLT 5.08/12 | **1500560000** | **1500510000** | 50 |
| 13 | BLT 5.08/13 | **1500660000** | **1500610000** | 50 |
| 14 | BLT 5.08/14 | **1500760000** | **1500710000** | 50 |
| 15 | BLT 5.08/15 | **1500860000** | **1500810000** | 50 |
| 16 | BLT 5.08/16 | **1500960000** | **1500910000** | 50 |
| 17 | BLT 5.08/17 | **1501060000** | **1501010000** | 20 |
| 18 | BLT 5.08/18 | **1501160000** | **1501110000** | 20 |
| 19 | BLT 5.08/19 | **1501260000** | **1501210000** | 20 |
| 20 | BLT 5.08/20 | **1501360000** | **1501310000** | 20 |
| 21 | BLT 5.08/21 | **1501460000** | **1501410000** | 20 |
| 22 | BLT 5.08/22 | **1501560000** | **1501510000** | 20 |
| 23 | BLT 5.08/23 | **1501660000** | **1501610000** | 20 |
| 24 | BLT 5.08/24 | **1501760000** | **1501710000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 201-207 |

## Socket blocks BLT 5.08B






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 10 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 1.5 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

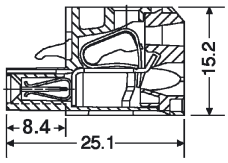
Additional technical data see page 219

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLT 5.08/2B | **1501860000** | **1501810000** | 100 |
| 3 | BLT 5.08/3B | **1501960000** | **1501910000** | 100 |
| 4 | BLT 5.08/4B | **1502060000** | **1502010000** | 100 |
| 5 | BLT 5.08/5B | **1502160000** | **1502110000** | 50 |
| 6 | BLT 5.08/6B | **1502260000** | **1502210000** | 50 |
| 7 | BLT 5.08/7B | **1502360000** | **1502310000** | 50 |
| 8 | BLT 5.08/8B | **1502460000** | **1502410000** | 50 |
| 9 | BLT 5.08/9B | **1502560000** | **1502510000** | 50 |
| 10 | BLT 5.08/10B | **1502660000** | **1502610000** | 50 |
| 11 | BLT 5.08/11B | **1502760000** | **1502710000** | 50 |
| 12 | BLT 5.08/12B | **1502860000** | **1502810000** | 50 |
| 13 | BLT 5.08/13B | **1502960000** | **1502910000** | 50 |
| 14 | BLT 5.08/14B | **1503060000** | **1503010000** | 50 |
| 15 | BLT 5.08/15B | **1503160000** | **1503110000** | 50 |
| 16 | BLT 5.08/16B | **1503260000** | **1503210000** | 50 |
| 17 | BLT 5.08/17B | **1503360000** | **1503310000** | 20 |
| 18 | BLT 5.08/18B | **1503460000** | **1503410000** | 20 |
| 19 | BLT 5.08/19B | **1503560000** | **1503510000** | 20 |
| 20 | BLT 5.08/20B | **1503660000** | **1503610000** | 20 |
| 21 | BLT 5.08/21B | **1503760000** | **1503710000** | 20 |
| 22 | BLT 5.08/22B | **1503860000** | **1503810000** | 20 |
| 23 | BLT 5.08/23B | **1503960000** | **1503910000** | 20 |
| 24 | BLT 5.08/24B | **1504060000** | **1504010000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 201-207 |

# Omnimate Range - Pitch 5.08 mm

## Socket blocks BLZF 5.08




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

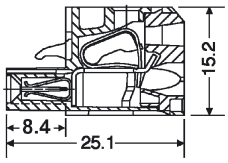
*Overvoltage category III / Pollution severity 3

Additional technical data see page 220

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLZF 5.08/2 | **1707460000** | **1707690000** | 100 |
| 3 | BLZF 5.08/3 | **1707470000** | **1707700000** | 100 |
| 4 | BLZF 5.08/4 | **1707480000** | **1707710000** | 100 |
| 5 | BLZF 5.08/5 | **1707490000** | **1707720000** | 50 |
| 6 | BLZF 5.08/6 | **1707500000** | **1707730000** | 50 |
| 7 | BLZF 5.08/7 | **1707510000** | **1707740000** | 50 |
| 8 | BLZF 5.08/8 | **1707520000** | **1707750000** | 50 |
| 9 | BLZF 5.08/9 | **1707530000** | **1707760000** | 50 |
| 10 | BLZF 5.08/10 | **1707540000** | **1707770000** | 50 |
| 11 | BLZF 5.08/11 | **1707550000** | **1707780000** | 50 |
| 12 | BLZF 5.08/12 | **1707560000** | **1707790000** | 50 |
| 13 | BLZF 5.08/13 | **1707570000** | **1707800000** | 50 |
| 14 | BLZF 5.08/14 | **1707580000** | **1707810000** | 50 |
| 15 | BLZF 5.08/15 | **1707590000** | **1707820000** | 50 |
| 16 | BLZF 5.08/16 | **1707600000** | **1707830000** | 50 |
| 17 | BLZF 5.08/17 | **1707610000** | **1707840000** | 20 |
| 18 | BLZF 5.08/18 | **1707620000** | **1707850000** | 20 |
| 19 | BLZF 5.08/19 | **1707630000** | **1707860000** | 20 |
| 20 | BLZF 5.08/20 | **1707640000** | **1707870000** | 20 |
| 21 | BLZF 5.08/21 | **1707650000** | **1707880000** | 20 |
| 22 | BLZF 5.08/22 | **1707660000** | **1707890000** | 20 |
| 23 | BLZF 5.08/23 | **1707670000** | **1707900000** | 20 |
| 24 | BLZF 5.08/24 | **1707680000** | **1707910000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 202-207, 212, 213 |

## Socket blocks BLZF 5.08B




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

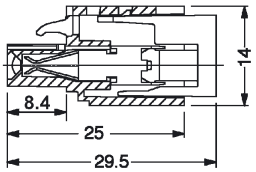
*Overvoltage category III / Pollution severity 3

Additional technical data see page 220

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLZF 5.08/2B | **1708300000** | **1708530000** | 100 |
| 3 | BLZF 5.08/3B | **1708310000** | **1708540000** | 100 |
| 4 | BLZF 5.08/4B | **1708320000** | **1708550000** | 100 |
| 5 | BLZF 5.08/5B | **1708330000** | **1708560000** | 50 |
| 6 | BLZF 5.08/6B | **1708340000** | **1708570000** | 50 |
| 7 | BLZF 5.08/7B | **1708350000** | **1708580000** | 50 |
| 8 | BLZF 5.08/8B | **1708360000** | **1708590000** | 50 |
| 9 | BLZF 5.08/9B | **1708370000** | **1708600000** | 50 |
| 10 | BLZF 5.08/10B | **1708380000** | **1708610000** | 50 |
| 11 | BLZF 5.08/11B | **1708390000** | **1708620000** | 50 |
| 12 | BLZF 5.08/12B | **1708400000** | **1708630000** | 50 |
| 13 | BLZF 5.08/13B | **1708410000** | **1708640000** | 50 |
| 14 | BLZF 5.08/14B | **1708420000** | **1708650000** | 50 |
| 15 | BLZF 5.08/15B | **1708430000** | **1708660000** | 50 |
| 16 | BLZF 5.08/16B | **1708440000** | **1708670000** | 50 |
| 17 | BLZF 5.08/17B | **1708450000** | **1708680000** | 20 |
| 18 | BLZF 5.08/18B | **1708460000** | **1708690000** | 20 |
| 19 | BLZF 5.08/19B | **1708470000** | **1708700000** | 20 |
| 20 | BLZF 5.08/20B | **1708480000** | **1708710000** | 20 |
| 21 | BLZF 5.08/21B | **1708490000** | **1708720000** | 20 |
| 22 | BLZF 5.08/22B | **1708500000** | **1708730000** | 20 |
| 23 | BLZF 5.08/23B | **1708510000** | **1708740000** | 20 |
| 24 | BLZF 5.08/24B | **1708520000** | **1708750000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 202-207 |

## Socket blocks BLIDC 5.08




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 9 | 8 | 8 |
| **Clamping range max.** | $mm^2$/AWG | 0.75 | 20 | 20 |

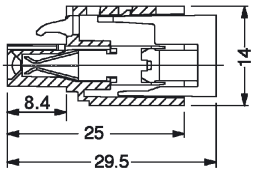
*Overvoltage category III / Pollution severity 3

Additional technical data see page 220

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLIDC 5.08/2 | **1724940000** | **1759390000** | 100 |
| 3 | BLIDC 5.08/3 | **1724950000** | **1759400000** | 100 |
| 4 | BLIDC 5.08/4 | **1724960000** | **1759410000** | 100 |
| 5 | BLIDC 5.08/5 | **1724970000** | **1759420000** | 50 |
| 6 | BLIDC 5.08/6 | **1724980000** | **1759430000** | 50 |
| 7 | BLIDC 5.08/7 | **1724990000** | **1759440000** | 50 |
| 8 | BLIDC 5.08/8 | **1725000000** | **1759450000** | 50 |
| 9 | BLIDC 5.08/9 | **1725010000** | **1759460000** | 50 |
| 10 | BLIDC 5.08/10 | **1725020000** | **1759470000** | 50 |
| 11 | BLIDC 5.08/11 | **1725030000** | **1759480000** | 50 |
| 12 | BLIDC 5.08/12 | **1725040000** | **1759490000** | 50 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 206-208 |

## Socket blocks BLIDC 5.08B




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 9 | 8 | 8 |
| **Clamping range max.** | $mm^2$/AWG | 0.75 | 20 | 20 |

*Overvoltage category III / Pollution severity 3

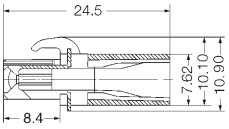
Additional technical data see page 220

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLIDC 5.08/2B | **1759500000** | **1759610000** | 100 |
| 3 | BLIDC 5.08/3B | **1759510000** | **1759620000** | 100 |
| 4 | BLIDC 5.08/4B | **1759520000** | **1759630000** | 100 |
| 5 | BLIDC 5.08/5B | **1759530000** | **1759640000** | 50 |
| 6 | BLIDC 5.08/6B | **1759540000** | **1759650000** | 50 |
| 7 | BLIDC 5.08/7B | **1759550000** | **1759660000** | 50 |
| 8 | BLIDC 5.08/8B | **1759560000** | **1759670000** | 50 |
| 9 | BLIDC 5.08/9B | **1759570000** | **1759680000** | 50 |
| 10 | BLIDC 5.08/10B | **1759580000** | **1759690000** | 50 |
| 11 | BLIDC 5.08/11B | **1759590000** | **1759700000** | 50 |
| 12 | BLIDC 5.08/12B | **1759600000** | **1759710000** | 50 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 206-208 |

# Omnimate Range - Pitch 5.08 mm


## Socket blocks BLC 5.08R




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 14 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 14 | 12 |

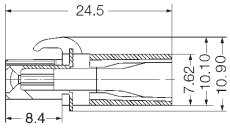
*Overvoltage category III / Pollution severity 3

Additional technical data see page 221

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLC 5.08/2 R | **1610490000** | **1711960000** | 100 |
| 3 | BLC 5.08/3 R | **1610500000** | **1711970000** | 100 |
| 4 | BLC 5.08/4 R | **1610510000** | **1711980000** | 100 |
| 5 | BLC 5.08/5 R | **1610520000** | **1711990000** | 50 |
| 6 | BLC 5.08/6 R | **1610530000** | **1712000000** | 50 |
| 7 | BLC 5.08/7 R | **1610540000** | **1712010000** | 50 |
| 8 | BLC 5.08/8 R | **1610550000** | **1712020000** | 50 |
| 9 | BLC 5.08/9 R | **1610560000** | **1712030000** | 50 |
| 10 | BLC 5.08/10 R | **1610570000** | **1712040000** | 50 |
| 11 | BLC 5.08/11 R | **1610580000** | **1712050000** | 50 |
| 12 | BLC 5.08/12 R | **1610590000** | **1712060000** | 50 |
| 13 | BLC 5.08/13 R | **1610600000** | **1712070000** | 50 |
| 14 | BLC 5.08/14 R | **1610610000** | **1712080000** | 50 |
| 15 | BLC 5.08/15 R | **1610620000** | **1712090000** | 50 |
| 16 | BLC 5.08/16 R | **1610630000** | **1712100000** | 50 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 202-207 |

## Socket blocks BLC 5.08BR




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 14 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 14 | 12 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 221

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLC 5.08/2 BR | **1649370000** | **1712110000** | 100 |
| 3 | BLC 5.08/3 BR | **1649380000** | **1712120000** | 100 |
| 4 | BLC 5.08/4 BR | **1649390000** | **1712130000** | 100 |
| 5 | BLC 5.08/5 BR | **1649400000** | **1712140000** | 50 |
| 6 | BLC 5.08/6 BR | **1649410000** | **1712150000** | 50 |
| 7 | BLC 5.08/7 BR | **1649420000** | **1712160000** | 50 |
| 8 | BLC 5.08/8 BR | **1649430000** | **1712170000** | 50 |
| 9 | BLC 5.08/9 BR | **1649440000** | **1712180000** | 50 |
| 10 | BLC 5.08/10 BR | **1649450000** | **1712190000** | 50 |
| 11 | BLC 5.08/11 BR | **1649460000** | **1712200000** | 50 |
| 12 | BLC 5.08/12 BR | **1649470000** | **1712210000** | 50 |
| 13 | BLC 5.08/13 BR | **1649480000** | **1712220000** | 50 |
| 14 | BLC 5.08/14 BR | **1649490000** | **1712230000** | 50 |
| 15 | BLC 5.08/15 BR | **1649500000** | **1712240000** | 50 |
| 16 | BLC 5.08/16 BR | **1649510000** | **1712250000** | 50 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 202-207 |

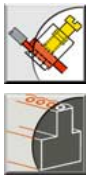
## Crimp contacts for BLC 5.08

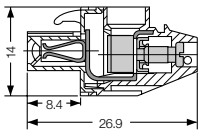
A variety of crimp contacts are available for the use with the socket block BLC 5.08 to match the specific application.

| Single contacts, tin-plated | for conductor | Cat. No. | Qty. |
|---|---|---|---|
| DFFC 0.22-0.35 SN E | 0.22-0.35 $mm^2$ | **1604250000** | 250 |
| DFFC 0.5-1.0 SN E | 0.5-1.0 $mm^2$ | **1567060000** | 250 |
| DFFC 1.5-2.5 SN E | 1.5-2.5 $mm^2$ | **1567070000** | 250 |

| Bandolier, tin-plated | for conductor | Cat. No. | Qty. |
|---|---|---|---|
| DFFC 0.22-0.35 SN R | 0.22-0.35 $mm^2$ | **1604230000** | 3000 |
| DFFC 0.5-1.0 SN R | 0.5-1.0 $mm^2$ | **1480000000** | 3000 |
| DFFC 1.5-2.5 SN R | 1.5-2.5 $mm^2$ | **1480100000** | 2500 |


## Socket blocks BLZ 5.08/90






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

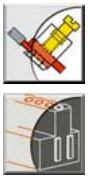
*Overvoltage category III / Pollution severity 3

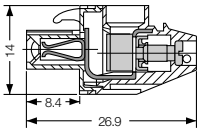
Additional technical data see page 218

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLZ 5.08/2/90 | **1552760000** | **1552710000** | 100 |
| 3 | BLZ 5.08/3/90 | **1552860000** | **1552810000** | 100 |
| 4 | BLZ 5.08/4/90 | **1552960000** | **1552910000** | 100 |
| 5 | BLZ 5.08/5/90 | **1553060000** | **1553010000** | 50 |
| 6 | BLZ 5.08/6/90 | **1553160000** | **1553110000** | 50 |
| 7 | BLZ 5.08/7/90 | **1553260000** | **1553210000** | 50 |
| 8 | BLZ 5.08/8/90 | **1553360000** | **1553310000** | 50 |
| 9 | BLZ 5.08/9/90 | **1553460000** | **1553410000** | 50 |
| 10 | BLZ 5.08/10/90 | **1553560000** | **1553510000** | 50 |
| 11 | BLZ 5.08/11/90 | **1553660000** | **1553610000** | 50 |
| 12 | BLZ 5.08/12/90 | **1553760000** | **1553710000** | 50 |
| 13 | BLZ 5.08/13/90 | **1553860000** | **1553810000** | 50 |
| 14 | BLZ 5.08/14/90 | **1553960000** | **1553910000** | 50 |
| 15 | BLZ 5.08/15/90 | **1554060000** | **1554010000** | 50 |
| 16 | BLZ 5.08/16/90 | **1554160000** | **1554110000** | 50 |
| 17 | BLZ 5.08/17/90 | **1554260000** | **1554210000** | 20 |
| 18 | BLZ 5.08/18/90 | **1554360000** | **1554310000** | 20 |
| 19 | BLZ 5.08/19/90 | **1554460000** | **1554410000** | 20 |
| 20 | BLZ 5.08/20/90 | **1554560000** | **1554510000** | 20 |
| 21 | BLZ 5.08/21/90 | **1554660000** | **1554610000** | 20 |
| 22 | BLZ 5.08/22/90 | **1554760000** | **1554710000** | 20 |
| 23 | BLZ 5.08/23/90 | **1554860000** | **1554810000** | 20 |
| 24 | BLZ 5.08/24/90 | **1554960000** | **1554910000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 207 |

## Socket blocks BLZ 5.08/90B






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

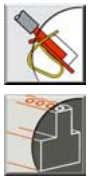
*Overvoltage category III / Pollution severity 3

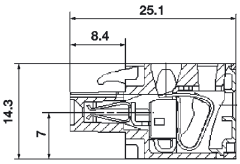
Additional technical data see page 218

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLZ 5.08/2/90B | **1555060000** | **1555010000** | 100 |
| 3 | BLZ 5.08/3/90B | **1555160000** | **1555110000** | 100 |
| 4 | BLZ 5.08/4/90B | **1555260000** | **1555210000** | 100 |
| 5 | BLZ 5.08/5/90B | **1555360000** | **1555310000** | 50 |
| 6 | BLZ 5.08/6/90B | **1555460000** | **1555410000** | 50 |
| 7 | BLZ 5.08/7/90B | **1555560000** | **1555510000** | 50 |
| 8 | BLZ 5.08/8/90B | **1555660000** | **1555610000** | 50 |
| 9 | BLZ 5.08/9/90B | **1555760000** | **1555710000** | 50 |
| 10 | BLZ 5.08/10/90B | **1555860000** | **1555810000** | 50 |
| 11 | BLZ 5.08/11/90B | **1555960000** | **1555910000** | 50 |
| 12 | BLZ 5.08/12/90B | **1556060000** | **1556010000** | 50 |
| 13 | BLZ 5.08/13/90B | **1556160000** | **1556110000** | 50 |
| 14 | BLZ 5.08/14/90B | **1556260000** | **1556210000** | 50 |
| 15 | BLZ 5.08/15/90B | **1556360000** | **1556310000** | 50 |
| 16 | BLZ 5.08/16/90B | **1556460000** | **1556410000** | 50 |
| 17 | BLZ 5.08/17/90B | **1556560000** | **1556510000** | 20 |
| 18 | BLZ 5.08/18/90B | **1556660000** | **1556610000** | 20 |
| 19 | BLZ 5.08/19/90B | **1556760000** | **1556710000** | 20 |
| 20 | BLZ 5.08/20/90B | **1556860000** | **1556810000** | 20 |
| 21 | BLZ 5.08/21/90B | **1556960000** | **1556910000** | 20 |
| 22 | BLZ 5.08/22/90B | **1557060000** | **1557010000** | 20 |
| 23 | BLZ 5.08/23/90B | **1557160000** | **1557110000** | 20 |
| 24 | BLZ 5.08/24/90B | **1557260000** | **1557210000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 207 |

## Socket blocks BLZF 5.08/90






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

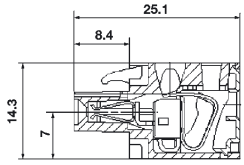
Additional technical data see page 221

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLZF 5.08/2/90 | **1670790000** | **1671020000** | 100 |
| 3 | BLZF 5.08/3/90 | **1670800000** | **1671030000** | 100 |
| 4 | BLZF 5.08/4/90 | **1670810000** | **1671040000** | 100 |
| 5 | BLZF 5.08/5/90 | **1670820000** | **1671050000** | 50 |
| 6 | BLZF 5.08/6/90 | **1670830000** | **1671060000** | 50 |
| 7 | BLZF 5.08/7/90 | **1670840000** | **1671070000** | 50 |
| 8 | BLZF 5.08/8/90 | **1670850000** | **1671080000** | 50 |
| 9 | BLZF 5.08/9/90 | **1670860000** | **1671090000** | 50 |
| 10 | BLZF 5.08/10/90 | **1670870000** | **1671100000** | 50 |
| 11 | BLZF 5.08/11/90 | **1670880000** | **1671110000** | 50 |
| 12 | BLZF 5.08/12/90 | **1670890000** | **1671120000** | 50 |
| 13 | BLZF 5.08/13/90 | **1670900000** | **1671130000** | 50 |
| 14 | BLZF 5.08/14/90 | **1670910000** | **1671140000** | 50 |
| 15 | BLZF 5.08/15/90 | **1670920000** | **1671150000** | 50 |
| 16 | BLZF 5.08/16/90 | **1670930000** | **1671160000** | 50 |
| 17 | BLZF 5.08/17/90 | **1670940000** | **1671170000** | 20 |
| 18 | BLZF 5.08/18/90 | **1670950000** | **1671180000** | 20 |
| 19 | BLZF 5.08/19/90 | **1670960000** | **1671190000** | 20 |
| 20 | BLZF 5.08/20/90 | **1670970000** | **1671200000** | 20 |
| 21 | BLZF 5.08/21/90 | **1670980000** | **1671210000** | 20 |
| 22 | BLZF 5.08/22/90 | **1670990000** | **1671220000** | 20 |
| 23 | BLZF 5.08/23/90 | **1671000000** | **1671230000** | 20 |
| 24 | BLZF 5.08/24/90 | **1671010000** | **1671240000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 207, 208 |

# Omnimate Range - Pitch 5.08 mm

## Socket blocks BLZF 5.08/90B


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

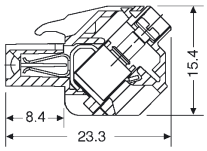
Additional technical data see page 221

**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | BLZF 5.08/2/90B | **1671250000** | **1671480000** | 100 |
| 3 | BLZF 5.08/3/90B | **1671260000** | **1671490000** | 100 |
| 4 | BLZF 5.08/4/90B | **1671270000** | **1671500000** | 100 |
| 5 | BLZF 5.08/5/90B | **1671280000** | **1671510000** | 50 |
| 6 | BLZF 5.08/6/90B | **1671290000** | **1671520000** | 50 |
| 7 | BLZF 5.08/7/90B | **1671300000** | **1671530000** | 50 |
| 8 | BLZF 5.08/8/90B | **1671310000** | **1671540000** | 50 |
| 9 | BLZF 5.08/9/90B | **1671320000** | **1671550000** | 50 |
| 10 | BLZF 5.08/10/90B | **1671330000** | **1671560000** | 50 |
| 11 | BLZF 5.08/11/90B | **1671340000** | **1671570000** | 50 |
| 12 | BLZF 5.08/12/90B | **1671350000** | **1671580000** | 50 |
| 13 | BLZF 5.08/13/90B | **1671360000** | **1671590000** | 50 |
| 14 | BLZF 5.08/14/90B | **1671370000** | **1671600000** | 50 |
| 15 | BLZF 5.08/15/90B | **1671380000** | **1671610000** | 50 |
| 16 | BLZF 5.08/16/90B | **1671390000** | **1671620000** | 50 |
| 17 | BLZF 5.08/17/90B | **1671400000** | **1671630000** | 20 |
| 18 | BLZF 5.08/18/90B | **1671410000** | **1671640000** | 20 |
| 19 | BLZF 5.08/19/90B | **1671420000** | **1671650000** | 20 |
| 20 | BLZF 5.08/20/90B | **1671430000** | **1671660000** | 20 |
| 21 | BLZF 5.08/21/90B | **1671440000** | **1671670000** | 20 |
| 22 | BLZF 5.08/22/90B | **1671450000** | **1671680000** | 20 |
| 23 | BLZF 5.08/23/90B | **1671460000** | **1671690000** | 20 |
| 24 | BLZF 5.08/24/90B | **1671470000** | **1671700000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 207, 208 |

## Socket blocks BLZ 5.08/225


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

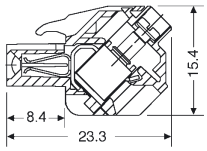
Additional technical data see page 222

**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | BLZ 5.08/2/225 | **1741640000** | **1741870000** | 100 |
| 3 | BLZ 5.08/3/225 | **1741650000** | **1741880000** | 100 |
| 4 | BLZ 5.08/4/225 | **1741660000** | **1741890000** | 100 |
| 5 | BLZ 5.08/5/225 | **1741670000** | **1741900000** | 50 |
| 6 | BLZ 5.08/6/225 | **1741680000** | **1741910000** | 50 |
| 7 | BLZ 5.08/7/225 | **1741690000** | **1741920000** | 50 |
| 8 | BLZ 5.08/8/225 | **1741700000** | **1741930000** | 50 |
| 9 | BLZ 5.08/9/225 | **1741710000** | **1741940000** | 50 |
| 10 | BLZ 5.08/10/225 | **1741720000** | **1741950000** | 50 |
| 11 | BLZ 5.08/11/225 | **1741730000** | **1741960000** | 50 |
| 12 | BLZ 5.08/12/225 | **1741740000** | **1741970000** | 50 |
| 13 | BLZ 5.08/13/225 | **1741750000** | **1741980000** | 50 |
| 14 | BLZ 5.08/14/225 | **1741760000** | **1741990000** | 50 |
| 15 | BLZ 5.08/15/225 | **1741770000** | **1742000000** | 50 |
| 16 | BLZ 5.08/16/225 | **1741780000** | **1742010000** | 50 |
| 17 | BLZ 5.08/17/225 | **1741790000** | **1742020000** | 20 |
| 18 | BLZ 5.08/18/225 | **1741800000** | **1742030000** | 20 |
| 19 | BLZ 5.08/19/225 | **1741810000** | **1742040000** | 20 |
| 20 | BLZ 5.08/20/225 | **1741820000** | **1742050000** | 20 |
| 21 | BLZ 5.08/21/225 | **1741830000** | **1742060000** | 20 |
| 22 | BLZ 5.08/22/225 | **1741840000** | **1742070000** | 20 |
| 23 | BLZ 5.08/23/225 | **1741850000** | **1742080000** | 20 |
| 24 | BLZ 5.08/24/225 | **1741860000** | **1742090000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 207 |

## Socket blocks BLZ 5.08/225B


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

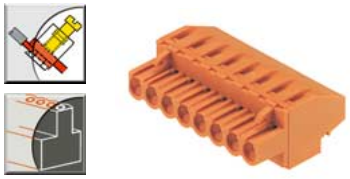
Additional technical data see page 222

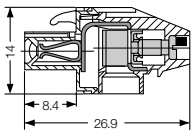
**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | BLZ 5.08/2/225B | **1742100000** | **1742330000** | 100 |
| 3 | BLZ 5.08/3/225B | **1742110000** | **1742340000** | 100 |
| 4 | BLZ 5.08/4/225B | **1742120000** | **1742350000** | 100 |
| 5 | BLZ 5.08/5/225B | **1742130000** | **1742360000** | 50 |
| 6 | BLZ 5.08/6/225B | **1742140000** | **1742370000** | 50 |
| 7 | BLZ 5.08/7/225B | **1742150000** | **1742380000** | 50 |
| 8 | BLZ 5.08/8/225B | **1742160000** | **1742390000** | 50 |
| 9 | BLZ 5.08/9/225B | **1742170000** | **1742400000** | 50 |
| 10 | BLZ 5.08/10/225B | **1742180000** | **1742410000** | 50 |
| 11 | BLZ 5.08/11/225B | **1742190000** | **1742420000** | 50 |
| 12 | BLZ 5.08/12/225B | **1742200000** | **1742430000** | 50 |
| 13 | BLZ 5.08/13/225B | **1742210000** | **1742440000** | 50 |
| 14 | BLZ 5.08/14/225B | **1742220000** | **1742450000** | 50 |
| 15 | BLZ 5.08/15/225B | **1742230000** | **1742460000** | 50 |
| 16 | BLZ 5.08/16/225B | **1742240000** | **1742470000** | 50 |
| 17 | BLZ 5.08/17/225B | **1742250000** | **1742480000** | 20 |
| 18 | BLZ 5.08/18/225B | **1742260000** | **1742490000** | 20 |
| 19 | BLZ 5.08/19/225B | **1742270000** | **1742500000** | 20 |
| 20 | BLZ 5.08/20/225B | **1742280000** | **1742510000** | 20 |
| 21 | BLZ 5.08/21/225B | **1742290000** | **1742520000** | 20 |
| 22 | BLZ 5.08/22/225B | **1742300000** | **1742530000** | 20 |
| 23 | BLZ 5.08/23/225B | **1742310000** | **1742540000** | 20 |
| 24 | BLZ 5.08/24/225B | **1742320000** | **1742550000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 207 |


## Socket blocks BLZ 5.08/270






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

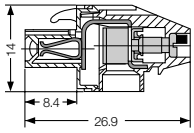
*Overvoltage category III / Pollution severity 3

Additional technical data see page 218

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLZ 5.08/2/270 | **1557360000** | **1557310000** | 100 |
| 3 | BLZ 5.08/3/270 | **1557460000** | **1557410000** | 100 |
| 4 | BLZ 5.08/4/270 | **1557560000** | **1557510000** | 100 |
| 5 | BLZ 5.08/5/270 | **1557660000** | **1557610000** | 50 |
| 6 | BLZ 5.08/6/270 | **1557760000** | **1557710000** | 50 |
| 7 | BLZ 5.08/7/270 | **1557860000** | **1557810000** | 50 |
| 8 | BLZ 5.08/8/270 | **1557960000** | **1557910000** | 50 |
| 9 | BLZ 5.08/9/270 | **1558060000** | **1558010000** | 50 |
| 10 | BLZ 5.08/10/270 | **1558160000** | **1558110000** | 50 |
| 11 | BLZ 5.08/11/270 | **1558260000** | **1558210000** | 50 |
| 12 | BLZ 5.08/12/270 | **1558360000** | **1558310000** | 50 |
| 13 | BLZ 5.08/13/270 | **1558460000** | **1558410000** | 50 |
| 14 | BLZ 5.08/14/270 | **1558560000** | **1558510000** | 50 |
| 15 | BLZ 5.08/15/270 | **1558660000** | **1558610000** | 50 |
| 16 | BLZ 5.08/16/270 | **1558760000** | **1558710000** | 50 |
| 17 | BLZ 5.08/17/270 | **1558860000** | **1558810000** | 20 |
| 18 | BLZ 5.08/18/270 | **1558960000** | **1558910000** | 20 |
| 19 | BLZ 5.08/19/270 | **1559060000** | **1559010000** | 20 |
| 20 | BLZ 5.08/20/270 | **1559160000** | **1559110000** | 20 |
| 21 | BLZ 5.08/21/270 | **1559260000** | **1559210000** | 20 |
| 22 | BLZ 5.08/22/270 | **1559360000** | **1559310000** | 20 |
| 23 | BLZ 5.08/23/270 | **1559460000** | **1559410000** | 20 |
| 24 | BLZ 5.08/24/270 | **1559560000** | **1559510000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 207 |

## Socket blocks BLZ 5.08/270B




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

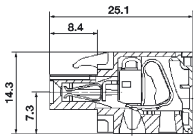
*Overvoltage category III / Pollution severity 3

Additional technical data see page 218

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLZ 5.08/2/270B | **1559660000** | **1559610000** | 100 |
| 3 | BLZ 5.08/3/270B | **1559760000** | **1559710000** | 100 |
| 4 | BLZ 5.08/4/270B | **1559860000** | **1559810000** | 100 |
| 5 | BLZ 5.08/5/270B | **1559960000** | **1559910000** | 100 |
| 6 | BLZ 5.08/6/270B | **1560060000** | **1560010000** | 50 |
| 7 | BLZ 5.08/7/270B | **1560160000** | **1560110000** | 50 |
| 8 | BLZ 5.08/8/270B | **1560260000** | **1560210000** | 50 |
| 9 | BLZ 5.08/9/270B | **1560360000** | **1560310000** | 50 |
| 10 | BLZ 5.08/10/270B | **1560460000** | **1560410000** | 50 |
| 11 | BLZ 5.08/11/270B | **1560560000** | **1560510000** | 50 |
| 12 | BLZ 5.08/12/270B | **1560660000** | **1560610000** | 50 |
| 13 | BLZ 5.08/13/270B | **1560760000** | **1560710000** | 50 |
| 14 | BLZ 5.08/14/270B | **1560860000** | **1560810000** | 50 |
| 15 | BLZ 5.08/15/270B | **1560960000** | **1560910000** | 50 |
| 16 | BLZ 5.08/16/270B | **1561060000** | **1561010000** | 50 |
| 17 | BLZ 5.08/17/270B | **1561160000** | **1561110000** | 20 |
| 18 | BLZ 5.08/18/270B | **1561260000** | **1561210000** | 20 |
| 19 | BLZ 5.08/19/270B | **1561360000** | **1561310000** | 20 |
| 20 | BLZ 5.08/20/270B | **1561460000** | **1561410000** | 20 |
| 21 | BLZ 5.08/21/270B | **1561560000** | **1561510000** | 20 |
| 22 | BLZ 5.08/22/270B | **1561660000** | **1561610000** | 20 |
| 23 | BLZ 5.08/23/270B | **1561760000** | **1561710000** | 20 |
| 24 | BLZ 5.08/24/270B | **1561860000** | **1561810000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 207 |

## Socket blocks BLZF 5.08/270




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

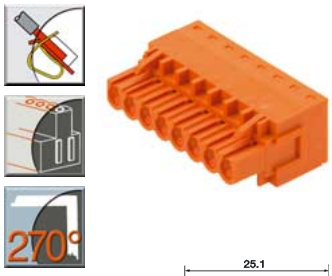
Additional technical data see page 221

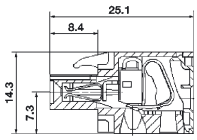
| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLZF 5.08/2/270 | **1671940000** | **1672170000** | 100 |
| 3 | BLZF 5.08/3/270 | **1671950000** | **1672180000** | 100 |
| 4 | BLZF 5.08/4/270 | **1671960000** | **1672190000** | 100 |
| 5 | BLZF 5.08/5/270 | **1671970000** | **1672200000** | 50 |
| 6 | BLZF 5.08/6/270 | **1671980000** | **1672210000** | 50 |
| 7 | BLZF 5.08/7/270 | **1671990000** | **1672220000** | 50 |
| 8 | BLZF 5.08/8/270 | **1672000000** | **1672230000** | 50 |
| 9 | BLZF 5.08/9/270 | **1672010000** | **1672240000** | 50 |
| 10 | BLZF 5.08/10/270 | **1672020000** | **1672250000** | 50 |
| 11 | BLZF 5.08/11/270 | **1672030000** | **1672260000** | 50 |
| 12 | BLZF 5.08/12/270 | **1672040000** | **1672270000** | 50 |
| 13 | BLZF 5.08/13/270 | **1672050000** | **1672280000** | 50 |
| 14 | BLZF 5.08/14/270 | **1672060000** | **1672290000** | 50 |
| 15 | BLZF 5.08/15/270 | **1672070000** | **1672300000** | 50 |
| 16 | BLZF 5.08/16/270 | **1672080000** | **1672310000** | 50 |
| 17 | BLZF 5.08/17/270 | **1672090000** | **1672320000** | 20 |
| 18 | BLZF 5.08/18/270 | **1672100000** | **1672330000** | 20 |
| 19 | BLZF 5.08/19/270 | **1672110000** | **1672340000** | 20 |
| 20 | BLZF 5.08/20/270 | **1672120000** | **1672350000** | 20 |
| 21 | BLZF 5.08/21/270 | **1672130000** | **1672360000** | 20 |
| 22 | BLZF 5.08/22/270 | **1672140000** | **1672370000** | 20 |
| 23 | BLZF 5.08/23/270 | **1672150000** | **1672380000** | 20 |
| 24 | BLZF 5.08/24/270 | **1672160000** | **1672390000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 207, 208 |

# Omnimate Range - Pitch 5.08 mm

## Socket blocks BLZF 5.08/270B






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

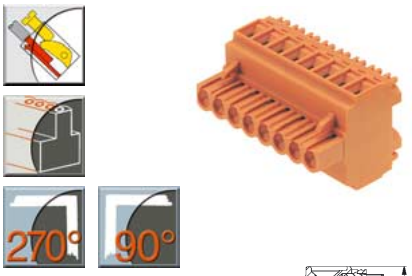
*Overvoltage category III / Pollution severity 3

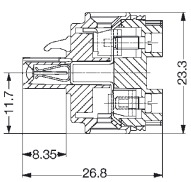
Additional technical data see page 221

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLZF 5.08/2/270B | **1672400000** | **1672630000** | 100 |
| 3 | BLZF 5.08/3/270B | **1672410000** | **1672640000** | 100 |
| 4 | BLZF 5.08/4/270B | **1672420000** | **1672650000** | 100 |
| 5 | BLZF 5.08/5/270B | **1672430000** | **1672660000** | 50 |
| 6 | BLZF 5.08/6/270B | **1672440000** | **1672670000** | 50 |
| 7 | BLZF 5.08/7/270B | **1672450000** | **1672680000** | 50 |
| 8 | BLZF 5.08/8/270B | **1672460000** | **1672690000** | 50 |
| 9 | BLZF 5.08/9/270B | **1672470000** | **1672700000** | 50 |
| 10 | BLZF 5.08/10/270B | **1672480000** | **1672710000** | 50 |
| 11 | BLZF 5.08/11/270B | **1672490000** | **1672720000** | 50 |
| 12 | BLZF 5.08/12/270B | **1672500000** | **1672730000** | 50 |
| 13 | BLZF 5.08/13/270B | **1672510000** | **1672740000** | 50 |
| 14 | BLZF 5.08/14/270B | **1672520000** | **1672750000** | 50 |
| 15 | BLZF 5.08/15/270B | **1672530000** | **1672760000** | 50 |
| 16 | BLZF 5.08/16/270B | **1672540000** | **1672770000** | 50 |
| 17 | BLZF 5.08/17/270B | **1672550000** | **1672780000** | 20 |
| 18 | BLZF 5.08/18/270B | **1672560000** | **1672790000** | 20 |
| 19 | BLZF 5.08/19/270B | **1672570000** | **1672800000** | 20 |
| 20 | BLZF 5.08/20/270B | **1672580000** | **1672810000** | 20 |
| 21 | BLZF 5.08/21/270B | **1672590000** | **1672820000** | 20 |
| 22 | BLZF 5.08/22/270B | **1672600000** | **1672830000** | 20 |
| 23 | BLZF 5.08/23/270B | **1672610000** | **1672840000** | 20 |
| 24 | BLZF 5.08/24/270B | **1672620000** | **1672850000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 207, 208 |

## Socket blocks BLDT 5.08






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 14 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

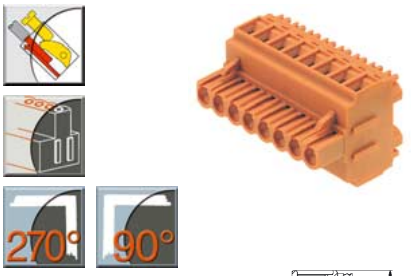
Additional technical data see page 222

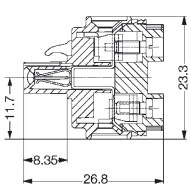
| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLDT 5.08/2 | **1644730000** | **1660710000** | 100 |
| 3 | BLDT 5.08/3 | **1644740000** | **1660720000** | 100 |
| 4 | BLDT 5.08/4 | **1644750000** | **1660730000** | 100 |
| 5 | BLDT 5.08/5 | **1644760000** | **1660740000** | 50 |
| 6 | BLDT 5.08/6 | **1644770000** | **1660750000** | 50 |
| 7 | BLDT 5.08/7 | **1644780000** | **1660760000** | 50 |
| 8 | BLDT 5.08/8 | **1644790000** | **1660770000** | 50 |
| 9 | BLDT 5.08/9 | **1644800000** | **1660780000** | 50 |
| 10 | BLDT 5.08/10 | **1644810000** | **1660790000** | 50 |
| 11 | BLDT 5.08/11 | **1644820000** | **1660800000** | 50 |
| 12 | BLDT 5.08/12 | **1644830000** | **1660810000** | 50 |

2 connections per pole

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 207 |

## Socket blocks BLDT 5.08B






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 14 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

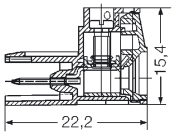
Additional technical data see page 222

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLDT 5.08/2B | **1651740000** | **1673780000** | 100 |
| 3 | BLDT 5.08/3B | **1651750000** | **1673790000** | 100 |
| 4 | BLDT 5.08/4B | **1651760000** | **1673800000** | 100 |
| 5 | BLDT 5.08/5B | **1651770000** | **1673810000** | 50 |
| 6 | BLDT 5.08/6B | **1651780000** | **1673820000** | 50 |
| 7 | BLDT 5.08/7B | **1651790000** | **1673830000** | 50 |
| 8 | BLDT 5.08/8B | **1651800000** | **1673840000** | 50 |
| 9 | BLDT 5.08/9B | **1651810000** | **1673850000** | 50 |
| 10 | BLDT 5.08/10B | **1651820000** | **1673860000** | 50 |
| 11 | BLDT 5.08/11B | **1651830000** | **1673870000** | 50 |
| 12 | BLDT 5.08/12B | **1651840000** | **1673880000** | 50 |

2 connections per pole

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 207 |

## Pin headers SLS 5.08




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

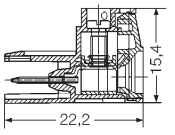
Additional technical data see page 223

**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | SLS 5.08/2 | **1627090000** | **1644920000** | 100 |
| 3 | SLS 5.08/3 | **1627100000** | **1644930000** | 100 |
| 4 | SLS 5.08/4 | **1627110000** | **1644940000** | 100 |
| 5 | SLS 5.08/5 | **1627120000** | **1644950000** | 50 |
| 6 | SLS 5.08/6 | **1627130000** | **1644960000** | 50 |
| 7 | SLS 5.08/7 | **1627140000** | **1644970000** | 50 |
| 8 | SLS 5.08/8 | **1627150000** | **1644980000** | 50 |
| 9 | SLS 5.08/9 | **1627160000** | **1644990000** | 50 |
| 10 | SLS 5.08/10 | **1627170000** | **1645000000** | 50 |
| 11 | SLS 5.08/11 | **1627180000** | **1645010000** | 50 |
| 12 | SLS 5.08/12 | **1627190000** | **1645020000** | 50 |
| 13 | SLS 5.08/13 | **1627200000** | **1645030000** | 50 |
| 14 | SLS 5.08/14 | **1627210000** | **1645040000** | 50 |
| 15 | SLS 5.08/15 | **1627220000** | **1645050000** | 50 |
| 16 | SLS 5.08/16 | **1627230000** | **1645060000** | 50 |
| 17 | SLS 5.08/17 | **1644840000** | **1645070000** | 20 |
| 18 | SLS 5.08/18 | **1644850000** | **1645080000** | 20 |
| 19 | SLS 5.08/19 | **1644860000** | **1645090000** | 20 |
| 20 | SLS 5.08/20 | **1644870000** | **1645100000** | 20 |
| 21 | SLS 5.08/21 | **1644880000** | **1645110000** | 20 |
| 22 | SLS 5.08/22 | **1644890000** | **1645120000** | 20 |
| 23 | SLS 5.08/23 | **1644900000** | **1645130000** | 20 |
| 24 | SLS 5.08/24 | **1644910000** | **1645140000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 198, 199 |
| Miscellaneous | 201-207 |

## Pin headers SLS 5.08B




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 223

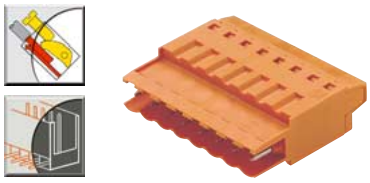
**Colour**

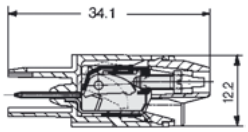
| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | SLS 5.08/2B | **1627240000** | **1645230000** | 100 |
| 3 | SLS 5.08/3B | **1627250000** | **1645240000** | 100 |
| 4 | SLS 5.08/4B | **1627260000** | **1645250000** | 100 |
| 5 | SLS 5.08/5B | **1627270000** | **1645260000** | 50 |
| 6 | SLS 5.08/6B | **1627280000** | **1645270000** | 50 |
| 7 | SLS 5.08/7B | **1627290000** | **1645280000** | 50 |
| 8 | SLS 5.08/8B | **1627300000** | **1645290000** | 50 |
| 9 | SLS 5.08/9B | **1627310000** | **1645300000** | 50 |
| 10 | SLS 5.08/10B | **1627320000** | **1645310000** | 50 |
| 11 | SLS 5.08/11B | **1627330000** | **1645320000** | 50 |
| 12 | SLS 5.08/12B | **1627340000** | **1645330000** | 50 |
| 13 | SLS 5.08/13B | **1627350000** | **1645340000** | 50 |
| 14 | SLS 5.08/14B | **1627360000** | **1645350000** | 50 |
| 15 | SLS 5.08/15B | **1627370000** | **1645360000** | 50 |
| 16 | SLS 5.08/16B | **1627380000** | **1645370000** | 50 |
| 17 | SLS 5.08/17B | **1645150000** | **1645380000** | 20 |
| 18 | SLS 5.08/18B | **1645160000** | **1645390000** | 20 |
| 19 | SLS 5.08/19B | **1645170000** | **1645400000** | 20 |
| 20 | SLS 5.08/20B | **1645180000** | **1645410000** | 20 |
| 21 | SLS 5.08/21B | **1645190000** | **1645420000** | 20 |
| 22 | SLS 5.08/22B | **1645200000** | **1645430000** | 20 |
| 23 | SLS 5.08/23B | **1645210000** | **1645440000** | 20 |
| 24 | SLS 5.08/24B | **1645220000** | **1645450000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 198, 199 |
| Miscellaneous | 201-207 |

# Omnimate Range - Pitch 5.08 mm


## Pin headers SLT 5.08






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 1.5 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

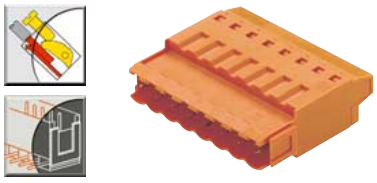
Additional technical data see page 223

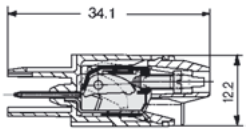
**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | SLT 5.08/2 | **1611560000** | **1640430000** | 100 |
| 3 | SLT 5.08/3 | **1611570000** | **1640450000** | 100 |
| 4 | SLT 5.08/4 | **1611580000** | **1640460000** | 100 |
| 5 | SLT 5.08/5 | **1611590000** | **1640470000** | 50 |
| 6 | SLT 5.08/6 | **1611600000** | **1640480000** | 50 |
| 7 | SLT 5.08/7 | **1611610000** | **1640490000** | 50 |
| 8 | SLT 5.08/8 | **1611620000** | **1640500000** | 50 |
| 9 | SLT 5.08/9 | **1611630000** | **1640510000** | 50 |
| 10 | SLT 5.08/10 | **1611640000** | **1640520000** | 50 |
| 11 | SLT 5.08/11 | **1611650000** | **1640530000** | 50 |
| 12 | SLT 5.08/12 | **1611660000** | **1640540000** | 50 |
| 13 | SLT 5.08/13 | **1611670000** | **1640550000** | 50 |
| 14 | SLT 5.08/14 | **1611680000** | **1640560000** | 50 |
| 15 | SLT 5.08/15 | **1611690000** | **1640570000** | 50 |
| 16 | SLT 5.08/16 | **1611700000** | **1640580000** | 50 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 198, 199 |
| Miscellaneous | 202-207 |

## Pin headers SLT 5.08B






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 1.5 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

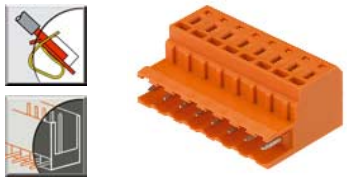
Additional technical data see page 223

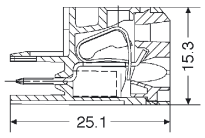
**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | SLT 5.08/2B | **1611710000** | **1640590000** | 100 |
| 3 | SLT 5.08/3B | **1611720000** | **1640600000** | 100 |
| 4 | SLT 5.08/4B | **1611730000** | **1640610000** | 100 |
| 5 | SLT 5.08/5B | **1611740000** | **1640620000** | 50 |
| 6 | SLT 5.08/6B | **1611750000** | **1640630000** | 50 |
| 7 | SLT 5.08/7B | **1611760000** | **1640640000** | 50 |
| 8 | SLT 5.08/8B | **1611770000** | **1640650000** | 50 |
| 9 | SLT 5.08/9B | **1611780000** | **1640660000** | 50 |
| 10 | SLT 5.08/10B | **1611790000** | **1640670000** | 50 |
| 11 | SLT 5.08/11B | **1611800000** | **1640680000** | 50 |
| 12 | SLT 5.08/12B | **1611810000** | **1640690000** | 50 |
| 13 | SLT 5.08/13B | **1611820000** | **1640700000** | 50 |
| 14 | SLT 5.08/14B | **1611830000** | **1640710000** | 50 |
| 15 | SLT 5.08/15B | **1611840000** | **1640720000** | 50 |
| 16 | SLT 5.08/16B | **1611850000** | **1640730000** | 50 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 198, 199 |
| Miscellaneous | 202-207 |

## Pin headers SLZF 5.08






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

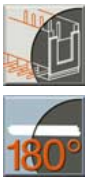
Additional technical data see page 224

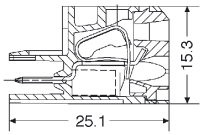
**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | SLZF 5.08/2 | **1709370000** | **1709600000** | 100 |
| 3 | SLZF 5.08/3 | **1709380000** | **1709610000** | 100 |
| 4 | SLZF 5.08/4 | **1709390000** | **1709620000** | 100 |
| 5 | SLZF 5.08/5 | **1709400000** | **1709630000** | 50 |
| 6 | SLZF 5.08/6 | **1709410000** | **1709640000** | 50 |
| 7 | SLZF 5.08/7 | **1709420000** | **1709650000** | 50 |
| 8 | SLZF 5.08/8 | **1709430000** | **1709660000** | 50 |
| 9 | SLZF 5.08/9 | **1709440000** | **1709670000** | 50 |
| 10 | SLZF 5.08/10 | **1709450000** | **1709680000** | 50 |
| 11 | SLZF 5.08/11 | **1709460000** | **1709690000** | 50 |
| 12 | SLZF 5.08/12 | **1709470000** | **1709700000** | 50 |
| 13 | SLZF 5.08/13 | **1709480000** | **1709710000** | 50 |
| 14 | SLZF 5.08/14 | **1709490000** | **1709720000** | 50 |
| 15 | SLZF 5.08/15 | **1709500000** | **1709730000** | 50 |
| 16 | SLZF 5.08/16 | **1709510000** | **1709740000** | 50 |
| 17 | SLZF 5.08/17 | **1709520000** | **1709750000** | 20 |
| 18 | SLZF 5.08/18 | **1709530000** | **1709760000** | 20 |
| 19 | SLZF 5.08/19 | **1709540000** | **1709770000** | 20 |
| 20 | SLZF 5.08/20 | **1709550000** | **1709780000** | 20 |
| 21 | SLZF 5.08/21 | **1709560000** | **1709790000** | 20 |
| 22 | SLZF 5.08/22 | **1709570000** | **1709800000** | 20 |
| 23 | SLZF 5.08/23 | **1709580000** | **1709810000** | 20 |
| 24 | SLZF 5.08/24 | **1709590000** | **1709820000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 198, 199 |
| Miscellaneous | 202-207 |

## Pin headers SLZF 5.08B




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

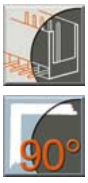
*Overvoltage category III / Pollution severity 3

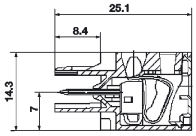
Additional technical data see page 224

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | SLZF 5.08/2B | **1710210000** | **1710440000** | 100 |
| 3 | SLZF 5.08/3B | **1710220000** | **1710450000** | 100 |
| 4 | SLZF 5.08/4B | **1710230000** | **1710460000** | 100 |
| 5 | SLZF 5.08/5B | **1710240000** | **1710470000** | 50 |
| 6 | SLZF 5.08/6B | **1710250000** | **1710480000** | 50 |
| 7 | SLZF 5.08/7B | **1710260000** | **1710490000** | 50 |
| 8 | SLZF 5.08/8B | **1710270000** | **1710500000** | 50 |
| 9 | SLZF 5.08/9B | **1710280000** | **1710510000** | 50 |
| 10 | SLZF 5.08/10B | **1710290000** | **1710520000** | 50 |
| 11 | SLZF 5.08/11B | **1710300000** | **1710530000** | 50 |
| 12 | SLZF 5.08/12B | **1710310000** | **1710540000** | 50 |
| 13 | SLZF 5.08/13B | **1710320000** | **1710550000** | 50 |
| 14 | SLZF 5.08/14B | **1710330000** | **1710560000** | 50 |
| 15 | SLZF 5.08/15B | **1710340000** | **1710570000** | 50 |
| 16 | SLZF 5.08/16B | **1710350000** | **1710580000** | 50 |
| 17 | SLZF 5.08/17B | **1710360000** | **1710590000** | 20 |
| 18 | SLZF 5.08/18B | **1710370000** | **1710600000** | 20 |
| 19 | SLZF 5.08/19B | **1710380000** | **1710610000** | 20 |
| 20 | SLZF 5.08/20B | **1710390000** | **1710620000** | 20 |
| 21 | SLZF 5.08/21B | **1710400000** | **1710630000** | 20 |
| 22 | SLZF 5.08/22B | **1710410000** | **1710640000** | 20 |
| 23 | SLZF 5.08/23B | **1710420000** | **1710650000** | 20 |
| 24 | SLZF 5.08/24B | **1710430000** | **1710660000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 198, 199 |
| Miscellaneous | 202-207 |

## Pin headers SLZF 5.08/90




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

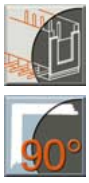
*Overvoltage category III / Pollution severity 3

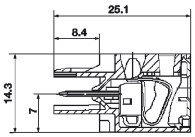
Additional technical data see page 224

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | SLZF 5.08/2/90 | **1673090000** | **1673320000** | 100 |
| 3 | SLZF 5.08/3/90 | **1673100000** | **1673330000** | 100 |
| 4 | SLZF 5.08/4/90 | **1673110000** | **1673340000** | 100 |
| 5 | SLZF 5.08/5/90 | **1673120000** | **1673350000** | 50 |
| 6 | SLZF 5.08/6/90 | **1673130000** | **1673360000** | 50 |
| 7 | SLZF 5.08/7/90 | **1673140000** | **1673370000** | 50 |
| 8 | SLZF 5.08/8/90 | **1673150000** | **1673380000** | 50 |
| 9 | SLZF 5.08/9/90 | **1673160000** | **1673390000** | 50 |
| 10 | SLZF 5.08/10/90 | **1673170000** | **1673400000** | 50 |
| 11 | SLZF 5.08/11/90 | **1673180000** | **1673410000** | 50 |
| 12 | SLZF 5.08/12/90 | **1673190000** | **1673420000** | 50 |
| 13 | SLZF 5.08/13/90 | **1673200000** | **1673430000** | 50 |
| 14 | SLZF 5.08/14/90 | **1673210000** | **1673440000** | 50 |
| 15 | SLZF 5.08/15/90 | **1673220000** | **1673450000** | 50 |
| 16 | SLZF 5.08/16/90 | **1673230000** | **1673460000** | 50 |
| 17 | SLZF 5.08/17/90 | **1673240000** | **1673470000** | 20 |
| 18 | SLZF 5.08/18/90 | **1673250000** | **1673480000** | 20 |
| 19 | SLZF 5.08/19/90 | **1673260000** | **1673490000** | 20 |
| 20 | SLZF 5.08/20/90 | **1673270000** | **1673500000** | 20 |
| 21 | SLZF 5.08/21/90 | **1673280000** | **1673510000** | 20 |
| 22 | SLZF 5.08/22/90 | **1673290000** | **1673520000** | 20 |
| 23 | SLZF 5.08/23/90 | **1673300000** | **1673530000** | 20 |
| 24 | SLZF 5.08/24/90 | **1673310000** | **1673540000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 198, 199 |
| Miscellaneous | 202-207 |

## Pin headers SLZF 5.08/90B




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

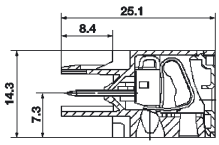
Additional technical data see page 224

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | SLZF 5.08/2/90B | **1673550000** | **1669910000** | 100 |
| 3 | SLZF 5.08/3/90B | **1673560000** | **1669920000** | 100 |
| 4 | SLZF 5.08/4/90B | **1673570000** | **1669930000** | 100 |
| 5 | SLZF 5.08/5/90B | **1673580000** | **1669940000** | 50 |
| 6 | SLZF 5.08/6/90B | **1673590000** | **1669950000** | 50 |
| 7 | SLZF 5.08/7/90B | **1673600000** | **1669960000** | 50 |
| 8 | SLZF 5.08/8/90B | **1673610000** | **1669970000** | 50 |
| 9 | SLZF 5.08/9/90B | **1673620000** | **1669980000** | 50 |
| 10 | SLZF 5.08/10/90B | **1673630000** | **1669990000** | 50 |
| 11 | SLZF 5.08/11/90B | **1673640000** | **1670000000** | 50 |
| 12 | SLZF 5.08/12/90B | **1673650000** | **1670010000** | 50 |
| 13 | SLZF 5.08/13/90B | **1673660000** | **1670020000** | 50 |
| 14 | SLZF 5.08/14/90B | **1673670000** | **1670030000** | 50 |
| 15 | SLZF 5.08/15/90B | **1673680000** | **1670040000** | 50 |
| 16 | SLZF 5.08/16/90B | **1673690000** | **1670050000** | 50 |
| 17 | SLZF 5.08/17/90B | **1673700000** | **1670060000** | 20 |
| 18 | SLZF 5.08/18/90B | **1673710000** | **1670070000** | 20 |
| 19 | SLZF 5.08/19/90B | **1673720000** | **1670080000** | 20 |
| 20 | SLZF 5.08/20/90B | **1673730000** | **1670090000** | 20 |
| 21 | SLZF 5.08/21/90B | **1673740000** | **1670100000** | 20 |
| 22 | SLZF 5.08/22/90B | **1673750000** | **1670110000** | 20 |
| 23 | SLZF 5.08/23/90B | **1673760000** | **1670120000** | 20 |
| 24 | SLZF 5.08/24/90B | **1673770000** | **1670130000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 198, 199 |
| Miscellaneous | 202-207 |

# Omnimate Range - Pitch 5.08 mm

## Pin headers SLZF 5.08/270




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

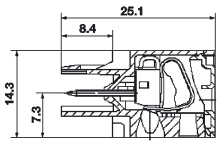
*Overvoltage category III / Pollution severity 3

Additional technical data see page 224

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | SLZF 5.08/2/270 | **1688430000** | **1688660000** | 100 |
| 3 | SLZF 5.08/3/270 | **1688440000** | **1688670000** | 100 |
| 4 | SLZF 5.08/4/270 | **1688450000** | **1688680000** | 100 |
| 5 | SLZF 5.08/5/270 | **1688460000** | **1688690000** | 50 |
| 6 | SLZF 5.08/6/270 | **1688470000** | **1688700000** | 50 |
| 7 | SLZF 5.08/7/270 | **1688480000** | **1688710000** | 50 |
| 8 | SLZF 5.08/8/270 | **1688490000** | **1688720000** | 50 |
| 9 | SLZF 5.08/9/270 | **1688500000** | **1688730000** | 50 |
| 10 | SLZF 5.08/10/270 | **1688510000** | **1688740000** | 50 |
| 11 | SLZF 5.08/11/270 | **1688520000** | **1688750000** | 50 |
| 12 | SLZF 5.08/12/270 | **1688530000** | **1688760000** | 50 |
| 13 | SLZF 5.08/13/270 | **1688540000** | **1688770000** | 50 |
| 14 | SLZF 5.08/14/270 | **1688550000** | **1688780000** | 50 |
| 15 | SLZF 5.08/15/270 | **1688560000** | **1688790000** | 50 |
| 16 | SLZF 5.08/16/270 | **1688570000** | **1688800000** | 50 |
| 17 | SLZF 5.08/17/270 | **1688580000** | **1688810000** | 20 |
| 18 | SLZF 5.08/18/270 | **1688590000** | **1688820000** | 20 |
| 19 | SLZF 5.08/19/270 | **1688600000** | **1688830000** | 20 |
| 20 | SLZF 5.08/20/270 | **1688610000** | **1688840000** | 20 |
| 21 | SLZF 5.08/21/270 | **1688620000** | **1688850000** | 20 |
| 22 | SLZF 5.08/22/270 | **1688630000** | **1688860000** | 20 |
| 23 | SLZF 5.08/23/270 | **1688640000** | **1688870000** | 20 |
| 24 | SLZF 5.08/24/270 | **1688650000** | **1688880000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 198, 199 |
| Miscellaneous | 207, 208 |

## Pin headers SLZF 5.08/270B




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

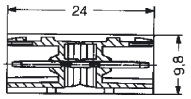
*Overvoltage category III / Pollution severity 3

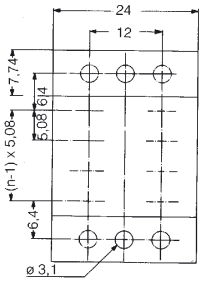
Additional technical data see page 224

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | SLZF 5.08/2/270B | **1706140000** | **1706370000** | 100 |
| 3 | SLZF 5.08/3/270B | **1706150000** | **1706380000** | 100 |
| 4 | SLZF 5.08/4/270B | **1706160000** | **1706390000** | 100 |
| 5 | SLZF 5.08/5/270B | **1706170000** | **1706400000** | 50 |
| 6 | SLZF 5.08/6/270B | **1706180000** | **1706410000** | 50 |
| 7 | SLZF 5.08/7/270B | **1706190000** | **1706420000** | 50 |
| 8 | SLZF 5.08/8/270B | **1706200000** | **1706430000** | 50 |
| 9 | SLZF 5.08/9/270B | **1706210000** | **1706440000** | 50 |
| 10 | SLZF 5.08/10/270B | **1706220000** | **1706450000** | 50 |
| 11 | SLZF 5.08/11/270B | **1706230000** | **1706460000** | 50 |
| 12 | SLZF 5.08/12/270B | **1706240000** | **1706470000** | 50 |
| 13 | SLZF 5.08/13/270B | **1706250000** | **1706480000** | 50 |
| 14 | SLZF 5.08/14/270B | **1706260000** | **1706490000** | 50 |
| 15 | SLZF 5.08/15/270B | **1706270000** | **1706500000** | 50 |
| 16 | SLZF 5.08/16/270B | **1706280000** | **1706510000** | 50 |
| 17 | SLZF 5.08/17/270B | **1706290000** | **1706520000** | 20 |
| 18 | SLZF 5.08/18/270B | **1706300000** | **1706530000** | 20 |
| 19 | SLZF 5.08/19/270B | **1706310000** | **1706540000** | 20 |
| 20 | SLZF 5.08/20/270B | **1706320000** | **1706550000** | 20 |
| 21 | SLZF 5.08/21/270B | **1706330000** | **1706560000** | 20 |
| 22 | SLZF 5.08/22/270B | **1706340000** | **1706570000** | 20 |
| 23 | SLZF 5.08/23/270B | **1706350000** | **1706580000** | 20 |
| 24 | SLZF 5.08/24/270B | **1706360000** | **1706590000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 198, 199 |
| Miscellaneous | 207, 208 |

## Pin headers SL 5.08 KU



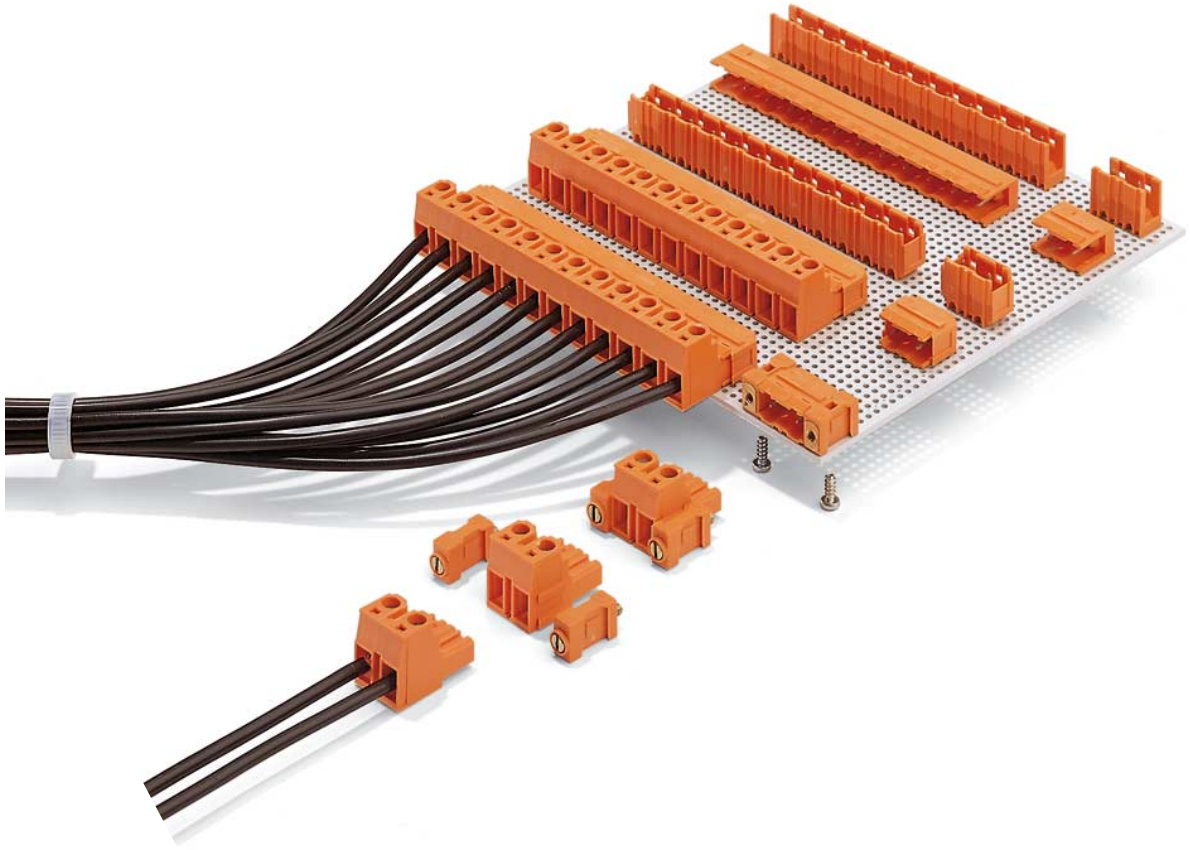

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SL5.08KU 2 | **1597760000** | 100 |
| 3 | SL5.08KU 3 | **1597770000** | 100 |
| 4 | SL5.08KU 4 | **1597780000** | 50 |
| 5 | SL5.08KU 5 | **1597790000** | 50 |
| 6 | SL5.08KU 6 | **1597800000** | 50 |
| 7 | SL5.08KU 7 | **1597810000** | 50 |
| 8 | SL5.08KU 8 | **1597820000** | 50 |
| 9 | SL5.08KU 9 | **1597830000** | 50 |
| 10 | SL5.08KU 10 | **1597840000** | 50 |
| 11 | SL5.08KU 11 | **1597850000** | 50 |
| 12 | SL5.08KU 12 | **1597860000** | 50 |
| 13 | SL5.08KU 13 | **1597870000** | 50 |
| 14 | SL5.08KU 14 | **1597880000** | 50 |
| 15 | SL5.08KU 15 | **1597890000** | 50 |
| 16 | SL5.08KU 16 | **1597900000** | 50 |
| 17 | SL5.08KU 17 | **1597910000** | 20 |
| 18 | SL5.08KU 18 | **1597920000** | 20 |
| 19 | SL5.08KU 19 | **1597930000** | 20 |
| 20 | SL5.08KU 20 | **1597940000** | 20 |
| 21 | SL5.08KU 21 | **1597950000** | 20 |
| 22 | SL5.08KU 22 | **1597960000** | 20 |
| 23 | SL5.08KU 23 | **1597970000** | 20 |
| 24 | SL5.08KU 24 | **1597980000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | – |
| Coding | – |
| Miscellaneous | – |



## Omnimate Range - Pitch 7.50 mm and 7.62 mm

The **Omnimate Range** offers a free choice of the connecting technique. Everything is possible with the socket blocks and pin plugs: leaf spring, clamping yoke, tension clamp, TOP, crimp, and IDC connections.

This versatility brings substantial benefits: You design your printed circuit board with a 3.5/5/7mm pitch component and are able to combine different field connections with it – as it is required by end customers and market.

The comprehensive assortment of pin headers and socket blocks, the multitude of different angles between pcb, connectors and conductors in the field, and the large selection of accessories permit the **Omnimate Range** to be used in a variety of applications.

For example: motor control, free wiring of initiators and actuators, in interface elements or in power supply units.

**Product features overview:**

- free selection of the connecting technique
- easy to use
- end-to-end stacking without loss of pitch
- thermoplastic polyester (PBT) is used as insulation material that is flame-resistant according to UL 94 V-0
- large selection of accessories

The **7.50 mm and 7.62 mm** pitch socket blocks and pin headers are ideal for higher voltage application requirements.

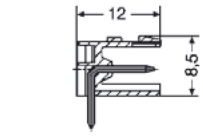
The socket blocks with screw clamp or tension clamp technique can be used with all single level 90° and 180° pin headers in the same pitch.

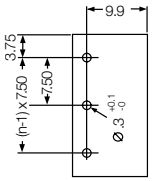
**7.50/7.62 mm pitch:**

- all pin headers and socket blocks can be combined as required
- two pitch dimensions:
  7.50 mm (metric)
  7.62 mm ((0.3 inch, imperial))
- voltages up to 500 V,
  currents up to 15 A,
  conductor cross-sections up to 2.5 $mm^2$

# Omnimate Range - Pitch 7.50 mm

## Pin headers SL 7.50/90




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 15 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 225

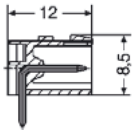
**Solder pin length** **3.2 mm** **4.5 mm**

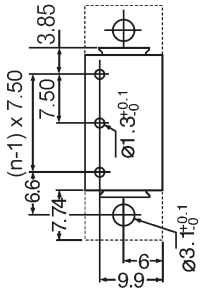
**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | SL 7.50/2/90 | **1628360000** | **1628690000** | 100 |
| 3 | SL 7.50/3/90 | **1628370000** | **1628700000** | 100 |
| 4 | SL 7.50/4/90 | **1628380000** | **1628710000** | 100 |
| 5 | SL 7.50/5/90 | **1628390000** | **1628720000** | 50 |
| 6 | SL 7.50/6/90 | **1628400000** | **1628730000** | 50 |
| 7 | SL 7.50/7/90 | **1628410000** | **1628740000** | 50 |
| 8 | SL 7.50/8/90 | **1628420000** | **1628750000** | 50 |
| 9 | SL 7.50/9/90 | **1628430000** | **1628760000** | 50 |
| 10 | SL 7.50/10/90 | **1628440000** | **1628770000** | 50 |
| 11 | SL 7.50/11/90 | **1628450000** | **1628780000** | 50 |
| 12 | SL 7.50/12/90 | **1628460000** | **1628790000** | 50 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

## Pin headers SL 7.50/90B




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 15 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 225

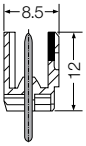
**Solder pin length** **3.2 mm** **4.5 mm**

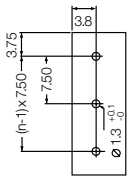
**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | SL 7.50/2/90B | **1628470000** | **1628910000** | 100 |
| 3 | SL 7.50/3/90B | **1628480000** | **1628920000** | 100 |
| 4 | SL 7.50/4/90B | **1628490000** | **1628930000** | 100 |
| 5 | SL 7.50/5/90B | **1628500000** | **1628940000** | 50 |
| 6 | SL 7.50/6/90B | **1628510000** | **1628950000** | 50 |
| 7 | SL 7.50/7/90B | **1628520000** | **1628960000** | 50 |
| 8 | SL 7.50/8/90B | **1628530000** | **1628970000** | 50 |
| 9 | SL 7.50/9/90B | **1628540000** | **1628980000** | 50 |
| 10 | SL 7.50/10/90B | **1628550000** | **1628990000** | 50 |
| 11 | SL 7.50/11/90B | **1628560000** | **1629000000** | 50 |
| 12 | SL 7.50/12/90B | **1628570000** | **1629010000** | 50 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

## Pin headers SL 7.50/180






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 15 | 10 | 10 |

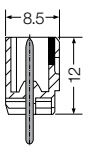
*Overvoltage category III / Pollution severity 3

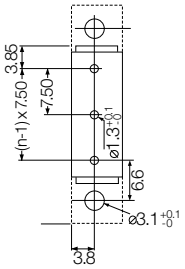
Additional technical data see page 225

| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | SL 7.50/2/180 | **1629020000** | **1629350000** | 100 |
| 3 | SL 7.50/3/180 | **1629030000** | **1629360000** | 100 |
| 4 | SL 7.50/4/180 | **1629040000** | **1629370000** | 100 |
| 5 | SL 7.50/5/180 | **1629050000** | **1629380000** | 50 |
| 6 | SL 7.50/6/180 | **1629060000** | **1629390000** | 50 |
| 7 | SL 7.50/7/180 | **1629070000** | **1629400000** | 50 |
| 8 | SL 7.50/8/180 | **1629080000** | **1629410000** | 50 |
| 9 | SL 7.50/9/180 | **1629090000** | **1629420000** | 50 |
| 10 | SL 7.50/10/180 | **1629100000** | **1629430000** | 50 |
| 11 | SL 7.50/11/180 | **1629110000** | **1629440000** | 50 |
| 12 | SL 7.50/12/180 | **1629120000** | **1629450000** | 50 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 197 |
| Miscellaneous | – |

## Pin headers SL 7.50/180B






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 15 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

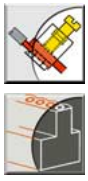
Additional technical data see page 225

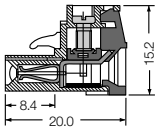
| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | SL 7.50/2/180B | **1629130000** | **1629570000** | 100 |
| 3 | SL 7.50/3/180B | **1629140000** | **1629580000** | 100 |
| 4 | SL 7.50/4/180B | **1629150000** | **1629590000** | 100 |
| 5 | SL 7.50/5/180B | **1629160000** | **1629600000** | 50 |
| 6 | SL 7.50/6/180B | **1629170000** | **1629610000** | 50 |
| 7 | SL 7.50/7/180B | **1629180000** | **1629620000** | 50 |
| 8 | SL 7.50/8/180B | **1629190000** | **1629630000** | 50 |
| 9 | SL 7.50/9/180B | **1629200000** | **1629640000** | 50 |
| 10 | SL 7.50/10/180B | **1629210000** | **1629650000** | 50 |
| 11 | SL 7.50/11/180B | **1629220000** | **1629660000** | 50 |
| 12 | SL 7.50/12/180B | **1629230000** | **1629670000** | 50 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

# Omnimate Range - Pitch 7.50 mm


## Socket blocks BLZ 7.50






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 15 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

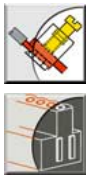
*Overvoltage category III / Pollution severity 3

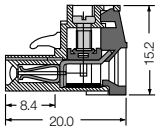
Additional technical data see page 225

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLZ 7.50/2 | **1627920000** | **1628030000** | 100 |
| 3 | BLZ 7.50/3 | **1627930000** | **1628040000** | 100 |
| 4 | BLZ 7.50/4 | **1627940000** | **1628050000** | 100 |
| 5 | BLZ 7.50/5 | **1627950000** | **1628060000** | 50 |
| 6 | BLZ 7.50/6 | **1627960000** | **1628070000** | 50 |
| 7 | BLZ 7.50/7 | **1627970000** | **1628080000** | 50 |
| 8 | BLZ 7.50/8 | **1627980000** | **1628090000** | 50 |
| 9 | BLZ 7.50/9 | **1627990000** | **1628100000** | 50 |
| 10 | BLZ 7.50/10 | **1628000000** | **1628110000** | 50 |
| 11 | BLZ 7.50/11 | **1628010000** | **1628120000** | 50 |
| 12 | BLZ 7.50/12 | **1628020000** | **1628130000** | 50 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 202-207 |

## Socket blocks BLZ 7.50B






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 15 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

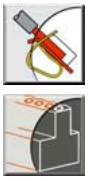
*Overvoltage category III / Pollution severity 3

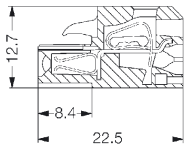
Additional technical data see page 225

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLZ 7.50/2B | **1628140000** | **1628250000** | 100 |
| 3 | BLZ 7.50/3B | **1628150000** | **1628260000** | 100 |
| 4 | BLZ 7.50/4B | **1628160000** | **1628270000** | 100 |
| 5 | BLZ 7.50/5B | **1628170000** | **1628280000** | 50 |
| 6 | BLZ 7.50/6B | **1628180000** | **1628290000** | 50 |
| 7 | BLZ 7.50/7B | **1628190000** | **1628300000** | 50 |
| 8 | BLZ 7.50/8B | **1628200000** | **1628310000** | 50 |
| 9 | BLZ 7.50/9B | **1628210000** | **1628320000** | 50 |
| 10 | BLZ 7.50/10B | **1628220000** | **1628330000** | 50 |
| 11 | BLZ 7.50/11B | **1628230000** | **1628340000** | 50 |
| 12 | BLZ 7.50/12B | **1628240000** | **1628350000** | 50 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 202-207 |

## Socket blocks BLZF 7.50






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 16 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 1.5 | 14 | 14 |

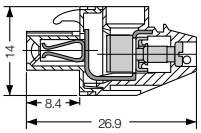
*Overvoltage category III / Pollution severity 3

Additional technical data see page 226

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLZF 7.50/2 | **1717260000** | **1722940000** | 100 |
| 3 | BLZF 7.50/3 | **1717270000** | **1722950000** | 100 |
| 4 | BLZF 7.50/4 | **1717280000** | **1722960000** | 100 |
| 5 | BLZF 7.50/5 | **1717290000** | **1722970000** | 50 |
| 6 | BLZF 7.50/6 | **1718570000** | **1722980000** | 50 |
| 7 | BLZF 7.50/7 | **1717300000** | **1722990000** | 50 |
| 8 | BLZF 7.50/8 | **1717310000** | **1723000000** | 50 |
| 9 | BLZF 7.50/9 | **1718580000** | **1723010000** | 50 |
| 10 | BLZF 7.50/10 | **1718590000** | **1723020000** | 50 |
| 11 | BLZF 7.50/11 | **1718600000** | **1723030000** | 50 |
| 12 | BLZF 7.50/12 | **1718610000** | **1723040000** | 50 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 207, 208 |

## Socket blocks BLZ 7.50/90


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 13 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 2.5 | 12 | 12 |

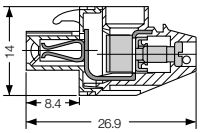
*Overvoltage category III / Pollution severity 3

Additional technical data see page 226

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLZ 7.50/2/90 | **1701790000** | **1701900000** | 100 |
| 3 | BLZ 7.50/3/90 | **1701800000** | **1701910000** | 100 |
| 4 | BLZ 7.50/4/90 | **1701810000** | **1701920000** | 100 |
| 5 | BLZ 7.50/5/90 | **1701820000** | **1701930000** | 50 |
| 6 | BLZ 7.50/6/90 | **1701830000** | **1701940000** | 50 |
| 7 | BLZ 7.50/7/90 | **1701840000** | **1701950000** | 50 |
| 8 | BLZ 7.50/8/90 | **1701850000** | **1701960000** | 50 |
| 9 | BLZ 7.50/9/90 | **1701860000** | **1701970000** | 50 |
| 10 | BLZ 7.50/10/90 | **1701870000** | **1701980000** | 50 |
| 11 | BLZ 7.50/11/90 | **1701880000** | **1701990000** | 50 |
| 12 | BLZ 7.50/12/90 | **1701890000** | **1702000000** | 50 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 207 |

## Socket blocks BLZ 7.50/90B


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 13 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 2.5 | 12 | 12 |

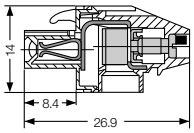
*Overvoltage category III / Pollution severity 3

Additional technical data see page 226

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLZ 7.50/2/90B | **1702010000** | **1702120000** | 100 |
| 3 | BLZ 7.50/3/90B | **1702020000** | **1702130000** | 100 |
| 4 | BLZ 7.50/4/90B | **1702030000** | **1702140000** | 100 |
| 5 | BLZ 7.50/5/90B | **1702040000** | **1702150000** | 50 |
| 6 | BLZ 7.50/6/90B | **1702050000** | **1702160000** | 50 |
| 7 | BLZ 7.50/7/90B | **1702060000** | **1702170000** | 50 |
| 8 | BLZ 7.50/8/90B | **1702070000** | **1702180000** | 50 |
| 9 | BLZ 7.50/9/90B | **1702080000** | **1702190000** | 50 |
| 10 | BLZ 7.50/10/90B | **1702090000** | **1702200000** | 50 |
| 11 | BLZ 7.50/11/90B | **1702100000** | **1702210000** | 50 |
| 12 | BLZ 7.50/12/90B | **1702110000** | **1702220000** | 50 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 207 |

## Socket blocks BLZ 7.50/270


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 13 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 2.5 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

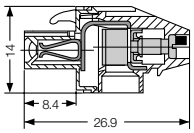
Additional technical data see page 226

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLZ 7.50/2/270 | **1702230000** | **1702340000** | 100 |
| 3 | BLZ 7.50/3/270 | **1702240000** | **1702350000** | 100 |
| 4 | BLZ 7.50/4/270 | **1702250000** | **1702360000** | 100 |
| 5 | BLZ 7.50/5/270 | **1702260000** | **1702370000** | 50 |
| 6 | BLZ 7.50/6/270 | **1702270000** | **1702380000** | 50 |
| 7 | BLZ 7.50/7/270 | **1702280000** | **1702390000** | 50 |
| 8 | BLZ 7.50/8/270 | **1702290000** | **1702400000** | 50 |
| 9 | BLZ 7.50/9/270 | **1702300000** | **1702410000** | 50 |
| 10 | BLZ 7.50/10/270 | **1702310000** | **1702420000** | 50 |
| 11 | BLZ 7.50/11/270 | **1702320000** | **1702430000** | 50 |
| 12 | BLZ 7.50/12/270 | **1702330000** | **1702440000** | 50 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 207 |

# Omnimate Range - Pitch 7.50 mm

## Socket blocks BLZ 7.50/270B




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 13 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

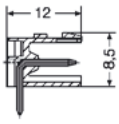
Additional technical data see page 226

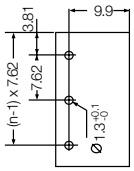
**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | BLZ 7.50/2/270B | **1702450000** | **1702560000** | 100 |
| 3 | BLZ 7.50/3/270B | **1702460000** | **1702570000** | 100 |
| 4 | BLZ 7.50/4/270B | **1702470000** | **1702580000** | 100 |
| 5 | BLZ 7.50/5/270B | **1702480000** | **1702590000** | 50 |
| 6 | BLZ 7.50/6/270B | **1702490000** | **1702600000** | 50 |
| 7 | BLZ 7.50/7/270B | **1702500000** | **1702610000** | 50 |
| 8 | BLZ 7.50/8/270B | **1702510000** | **1702620000** | 50 |
| 9 | BLZ 7.50/9/270B | **1702520000** | **1702630000** | 50 |
| 10 | BLZ 7.50/10/270B | **1702530000** | **1702640000** | 50 |
| 11 | BLZ 7.50/11/270B | **1702540000** | **1702650000** | 50 |
| 12 | BLZ 7.50/12/270B | **1702550000** | **1702660000** | 50 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 207 |

## Pin headers SL 7.62/90




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 15 | 10 | 10 |

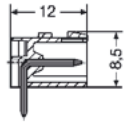
*Overvoltage category III / Pollution severity 3

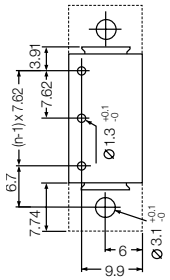
Additional technical data see page 225

| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | SL 7.62/2/90 | **1624150000** | **1623820000** | 100 |
| 3 | SL 7.62/3/90 | **1624160000** | **1623830000** | 100 |
| 4 | SL 7.62/4/90 | **1624170000** | **1623840000** | 100 |
| 5 | SL 7.62/5/90 | **1624180000** | **1623850000** | 50 |
| 6 | SL 7.62/6/90 | **1624190000** | **1623860000** | 50 |
| 7 | SL 7.62/7/90 | **1624200000** | **1623870000** | 50 |
| 8 | SL 7.62/8/90 | **1624210000** | **1623880000** | 50 |
| 9 | SL 7.62/9/90 | **1624220000** | **1623890000** | 50 |
| 10 | SL 7.62/10/90 | **1624230000** | **1623900000** | 50 |
| 11 | SL 7.62/11/90 | **1624240000** | **1623910000** | 50 |
| 12 | SL 7.62/12/90 | **1624250000** | **1623920000** | 50 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

## Pin headers SL 7.62/90B




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 15 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

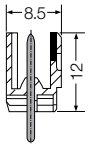
Additional technical data see page 225

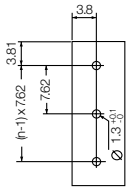
| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | SL 7.62/2/90B | **1624370000** | **1624040000** | 100 |
| 3 | SL 7.62/3/90B | **1624380000** | **1624050000** | 100 |
| 4 | SL 7.62/4/90B | **1624390000** | **1624060000** | 100 |
| 5 | SL 7.62/5/90B | **1624400000** | **1624070000** | 50 |
| 6 | SL 7.62/6/90B | **1624410000** | **1624080000** | 50 |
| 7 | SL 7.62/7/90B | **1624420000** | **1624090000** | 50 |
| 8 | SL 7.62/8/90B | **1624430000** | **1624100000** | 50 |
| 9 | SL 7.62/9/90B | **1624440000** | **1624110000** | 50 |
| 10 | SL 7.62/10/90B | **1624450000** | **1624120000** | 50 |
| 11 | SL 7.62/11/90B | **1624460000** | **1624130000** | 50 |
| 12 | SL 7.62/12/90B | **1624470000** | **1624140000** | 50 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

# Omnimate Range - Pitch 7.62 mm

## Pin headers SL 7.62/180




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 15 | 10 | 10 |

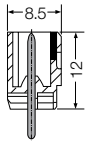
*Overvoltage category III / Pollution severity 3

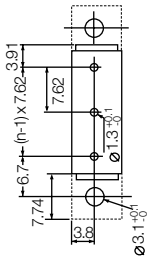
Additional technical data see page 225

| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | SL 7.62/2/180 | **1625030000** | **1624700000** | 100 |
| 3 | SL 7.62/3/180 | **1625040000** | **1624710000** | 100 |
| 4 | SL 7.62/4/180 | **1625050000** | **1624720000** | 100 |
| 5 | SL 7.62/5/180 | **1625060000** | **1624730000** | 50 |
| 6 | SL 7.62/6/180 | **1625070000** | **1624740000** | 50 |
| 7 | SL 7.62/7/180 | **1625080000** | **1624750000** | 50 |
| 8 | SL 7.62/8/180 | **1625090000** | **1624760000** | 50 |
| 9 | SL 7.62/9/180 | **1625100000** | **1624770000** | 50 |
| 10 | SL 7.62/10/180 | **1625110000** | **1624780000** | 50 |
| 11 | SL 7.62/11/180 | **1625120000** | **1624790000** | 50 |
| 12 | SL 7.62/12/180 | **1625130000** | **1624800000** | 50 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

## Pin headers SL 7.62/180B




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 15 | 10 | 10 |

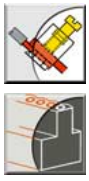
*Overvoltage category III / Pollution severity 3

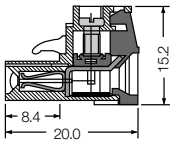
Additional technical data see page 225

| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | SL 7.62/2/180B | **1625250000** | **1624920000** | 100 |
| 3 | SL 7.62/3/180B | **1625260000** | **1624930000** | 100 |
| 4 | SL 7.62/4/180B | **1625270000** | **1624940000** | 100 |
| 5 | SL 7.62/5/180B | **1625280000** | **1624950000** | 50 |
| 6 | SL 7.62/6/180B | **1625290000** | **1624960000** | 50 |
| 7 | SL 7.62/7/180B | **1625300000** | **1624970000** | 50 |
| 8 | SL 7.62/8/180B | **1625310000** | **1624980000** | 50 |
| 9 | SL 7.62/9/180B | **1625320000** | **1624990000** | 50 |
| 10 | SL 7.62/10/180B | **1625330000** | **1625000000** | 50 |
| 11 | SL 7.62/11/180B | **1625340000** | **1625010000** | 50 |
| 12 | SL 7.62/12/180B | **1625350000** | **1625020000** | 50 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |


## Socket blocks BLZ 7.62






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 15 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

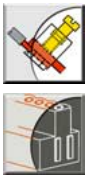
Additional technical data see page 225

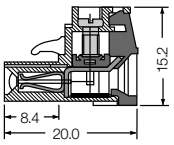
**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | BLZ 7.62/2 | **1623050000** | **1623160000** | 100 |
| 3 | BLZ 7.62/3 | **1623060000** | **1623170000** | 100 |
| 4 | BLZ 7.62/4 | **1623070000** | **1623180000** | 100 |
| 5 | BLZ 7.62/5 | **1623080000** | **1623190000** | 50 |
| 6 | BLZ 7.62/6 | **1623090000** | **1623200000** | 50 |
| 7 | BLZ 7.62/7 | **1623100000** | **1623210000** | 50 |
| 8 | BLZ 7.62/8 | **1623110000** | **1623220000** | 50 |
| 9 | BLZ 7.62/9 | **1623120000** | **1623230000** | 50 |
| 10 | BLZ 7.62/10 | **1623130000** | **1623240000** | 50 |
| 11 | BLZ 7.62/11 | **1623140000** | **1623250000** | 50 |
| 12 | BLZ 7.62/12 | **1623150000** | **1623260000** | 50 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 202-207 |

## Socket blocks BLZ 7.62B






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 15 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

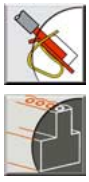
Additional technical data see page 225

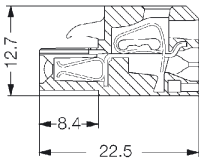
**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | BLZ 7.62/2B | **1623380000** | **1623490000** | 100 |
| 3 | BLZ 7.62/3B | **1623390000** | **1623500000** | 100 |
| 4 | BLZ 7.62/4B | **1623400000** | **1623510000** | 100 |
| 5 | BLZ 7.62/5B | **1623410000** | **1623520000** | 50 |
| 6 | BLZ 7.62/6B | **1623420000** | **1623530000** | 50 |
| 7 | BLZ 7.62/7B | **1623430000** | **1623540000** | 50 |
| 8 | BLZ 7.62/8B | **1623440000** | **1623550000** | 50 |
| 9 | BLZ 7.62/9B | **1623450000** | **1623560000** | 50 |
| 10 | BLZ 7.62/10B | **1623460000** | **1623570000** | 50 |
| 11 | BLZ 7.62/11B | **1623470000** | **1623580000** | 50 |
| 12 | BLZ 7.62/12B | **1623480000** | **1623590000** | 50 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 202-207 |

## Socket blocks BLZF 7.62






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 16 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 1.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 226

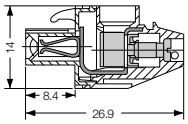
**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | BLZF 7.62/2 | **1722610000** | **1722720000** | 100 |
| 3 | BLZF 7.62/3 | **1722620000** | **1722730000** | 100 |
| 4 | BLZF 7.62/4 | **1722630000** | **1722740000** | 100 |
| 5 | BLZF 7.62/5 | **1722640000** | **1722750000** | 50 |
| 6 | BLZF 7.62/6 | **1722650000** | **1722760000** | 50 |
| 7 | BLZF 7.62/7 | **1722660000** | **1722770000** | 50 |
| 8 | BLZF 7.62/8 | **1722670000** | **1722780000** | 50 |
| 9 | BLZF 7.62/9 | **1722680000** | **1722790000** | 50 |
| 10 | BLZF 7.62/10 | **1722690000** | **1722800000** | 50 |
| 11 | BLZF 7.62/11 | **1722700000** | **1722810000** | 50 |
| 12 | BLZF 7.62/12 | **1722710000** | **1722820000** | 50 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 202-207 |

# Omnimate Range - Pitch 7.62 mm

## Socket blocks BLZ 7.62/90


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 13 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

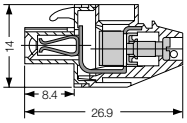
Additional technical data see page 226

**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | BLZ 7.62/2/90 | **1702670000** | **1702780000** | 100 |
| 3 | BLZ 7.62/3/90 | **1702680000** | **1702790000** | 100 |
| 4 | BLZ 7.62/4/90 | **1702690000** | **1702800000** | 100 |
| 5 | BLZ 7.62/5/90 | **1702700000** | **1702810000** | 50 |
| 6 | BLZ 7.62/6/90 | **1702710000** | **1702820000** | 50 |
| 7 | BLZ 7.62/7/90 | **1702720000** | **1702830000** | 50 |
| 8 | BLZ 7.62/8/90 | **1702730000** | **1702840000** | 50 |
| 9 | BLZ 7.62/9/90 | **1702740000** | **1702850000** | 50 |
| 10 | BLZ 7.62/10/90 | **1702750000** | **1702860000** | 50 |
| 11 | BLZ 7.62/11/90 | **1702760000** | **1702870000** | 50 |
| 12 | BLZ 7.62/12/90 | **1702770000** | **1702880000** | 50 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 207 |

## Socket blocks BLZ 7.62/90B


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 13 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

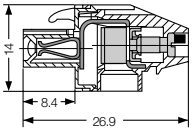
Additional technical data see page 226

**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | BLZ 7.62/2/90B | **1702890000** | **1703000000** | 100 |
| 3 | BLZ 7.62/3/90B | **1702900000** | **1703010000** | 100 |
| 4 | BLZ 7.62/4/90B | **1702910000** | **1703020000** | 100 |
| 5 | BLZ 7.62/5/90B | **1702920000** | **1703030000** | 50 |
| 6 | BLZ 7.62/6/90B | **1702930000** | **1703040000** | 50 |
| 7 | BLZ 7.62/7/90B | **1702940000** | **1703050000** | 50 |
| 8 | BLZ 7.62/8/90B | **1702950000** | **1703060000** | 50 |
| 9 | BLZ 7.62/9/90B | **1702960000** | **1703070000** | 50 |
| 10 | BLZ 7.62/10/90B | **1702970000** | **1703080000** | 50 |
| 11 | BLZ 7.62/11/90B | **1702980000** | **1703090000** | 50 |
| 12 | BLZ 7.62/12/90B | **1702990000** | **1703100000** | 50 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 207 |

## Socket blocks BLZ 7.62/270


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 13 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

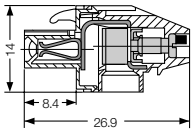
Additional technical data see page 226

**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | BLZ 7.62/2/270 | **1703110000** | **1703220000** | 100 |
| 3 | BLZ 7.62/3/270 | **1703120000** | **1703230000** | 100 |
| 4 | BLZ 7.62/4/270 | **1703130000** | **1703240000** | 100 |
| 5 | BLZ 7.62/5/270 | **1703140000** | **1703250000** | 50 |
| 6 | BLZ 7.62/6/270 | **1703150000** | **1703260000** | 50 |
| 7 | BLZ 7.62/7/270 | **1703160000** | **1703270000** | 50 |
| 8 | BLZ 7.62/8/270 | **1703170000** | **1703280000** | 50 |
| 9 | BLZ 7.62/9/270 | **1703180000** | **1703290000** | 50 |
| 10 | BLZ 7.62/10/270 | **1703190000** | **1703300000** | 50 |
| 11 | BLZ 7.62/11/270 | **1703200000** | **1703310000** | 50 |
| 12 | BLZ 7.62/12/270 | **1703210000** | **1703320000** | 50 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 207 |

## Socket blocks BLZ 7.62/270B




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 13 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

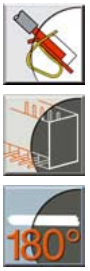
Additional technical data see page 226

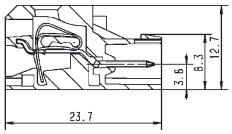
**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | BLZ 7.62/2/270B | **1703330000** | **1703440000** | 100 |
| 3 | BLZ 7.62/3/270B | **1703340000** | **1703450000** | 100 |
| 4 | BLZ 7.62/4/270B | **1703350000** | **1703460000** | 100 |
| 5 | BLZ 7.62/5/270B | **1703360000** | **1703470000** | 50 |
| 6 | BLZ 7.62/6/270B | **1703370000** | **1703480000** | 50 |
| 7 | BLZ 7.62/7/270B | **1703380000** | **1703490000** | 50 |
| 8 | BLZ 7.62/8/270B | **1703390000** | **1703500000** | 50 |
| 9 | BLZ 7.62/9/270B | **1703400000** | **1703510000** | 50 |
| 10 | BLZ 7.62/10/270B | **1703410000** | **1703520000** | 50 |
| 11 | BLZ 7.62/11/270B | **1703420000** | **1703530000** | 50 |
| 12 | BLZ 7.62/12/270B | **1703430000** | **1703540000** | 50 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 207 |

## Pin headers SLZF 7.62






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 16 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 1.5 | 14 | 14 |

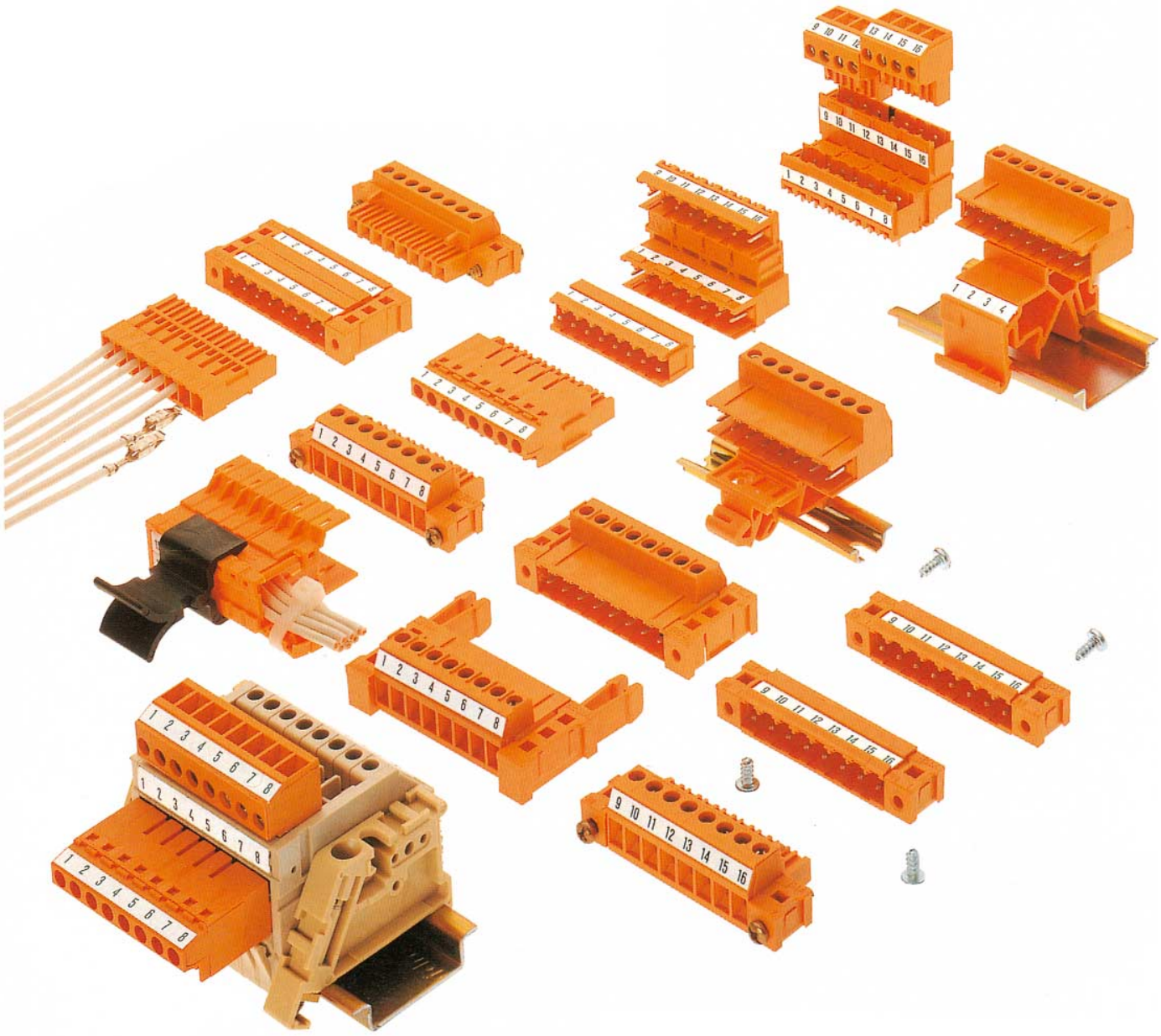
*Overvoltage category III / Pollution severity 3

Additional technical data see page 226

**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | SLZF 7.62/2 | **1754450000** | **1754560000** | 100 |
| 3 | SLZF 7.62/3 | **1754460000** | **1754570000** | 100 |
| 4 | SLZF 7.62/4 | **1754470000** | **1754580000** | 100 |
| 5 | SLZF 7.62/5 | **1754480000** | **1754590000** | 50 |
| 6 | SLZF 7.62/6 | **1754490000** | **1754600000** | 50 |
| 7 | SLZF 7.62/7 | **1754500000** | **1754610000** | 50 |
| 8 | SLZF 7.62/8 | **1754510000** | **1754620000** | 50 |
| 9 | SLZF 7.62/9 | **1754520000** | **1754630000** | 50 |
| 10 | SLZF 7.62/10 | **1754530000** | **1754640000** | 50 |
| 11 | SLZF 7.62/11 | **1754540000** | **1754650000** | 50 |
| 12 | SLZF 7.62/12 | **1754550000** | **1754660000** | 50 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 207, 208 |



## Unimate Range - SLA/BLA

From Weidmueller only: the unique connector face with the secure protection against incorrect insertion.

The pin headers and socket blocks of the SLA/BLA product family will only mate as a pair, i.e. only pin headers and socket blocks of the same number of poles will connect together.

This is not the only unique feature of this Weidmueller classic: We make this 5.08 mm pitch product family from glass-fibre-reinforced PBT. The outstanding material properties are the reason why the pin headers and socket blocks are able to withstand a continuous operating temperature of 120 degrees celsius and an increased ambient temperature.

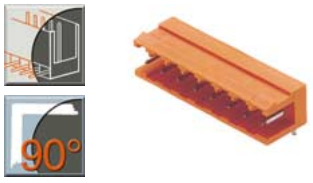
There are three different connection techniques available: clamping yoke connection, TOP, and crimp connection. All the pin headers and socket blocks of the the Unimate Range can be combined as required. For example for the free connection of initiators and actuators, at interface elements and power supply units, and for motor control applications.

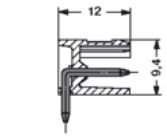
**Product features overview:**

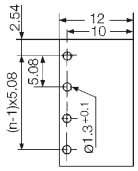
- double protection against incorrect insertion (can only be inserted as a pair and only in one orientation)
- protection against wiring errors
- suitable for continuously high operation temperature
- voltages up to 250 V, currents up to 14 A, conductor cross-sections up to 2.5 $mm^2$
- glass fibre-reinforced thermoplastic polyester (PBT) is used as insulation material: flame-resistant according to UL 94 V-0
- large selection of accessories

# Unimate Range - SLA/BLA

## Pin headers SLA 90






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 10 | 10 | 10 |

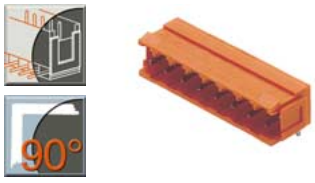
*Overvoltage category III / Pollution severity 3

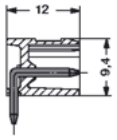
Additional technical data see page 227

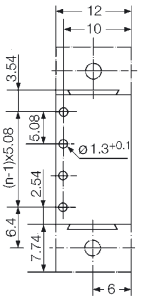
| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | SLA 2/90 | **1238060000** | **1346810000** | 100 |
| 3 | SLA 3/90 | **1238160000** | **1346910000** | 100 |
| 4 | SLA 4/90 | **1238260000** | **1347010000** | 100 |
| 5 | SLA 5/90 | **1238360000** | **1347110000** | 50 |
| 6 | SLA 6/90 | **1238460000** | **1347210000** | 50 |
| 7 | SLA 7/90 | **1238560000** | **1347310000** | 50 |
| 8 | SLA 8/90 | **1238660000** | **1347410000** | 50 |
| 9 | SLA 9/90 | **1238760000** | **1347510000** | 50 |
| 10 | SLA 10/90 | **1238860000** | **1347610000** | 50 |
| 11 | SLA 11/90 | **1238960000** | **1347710000** | 50 |
| 12 | SLA 12/90 | **1239060000** | **1347810000** | 50 |
| 13 | SLA 13/90 | **1239160000** | **1347910000** | 50 |
| 14 | SLA 14/90 | **1239260000** | **1348010000** | 50 |
| 15 | SLA 15/90 | **1239360000** | **1348110000** | 50 |
| 16 | SLA 16/90 | **1239460000** | **1348210000** | 50 |
| 17 | SLA 17/90 | **1271760000** | **1348310000** | 20 |
| 18 | SLA 18/90 | **1271860000** | **1348410000** | 20 |
| 19 | SLA 19/90 | **1271960000** | **1348510000** | 20 |
| 20 | SLA 20/90 | **1272060000** | **1348610000** | 20 |
| 21 | SLA 21/90 | **1272160000** | **1348710000** | 20 |
| 22 | SLA 22/90 | **1315960000** | **1348810000** | 20 |
| 23 | SLA 23/90 | **1316060000** | **1348910000** | 20 |
| 24 | SLA 24/90 | **1316160000** | **1349010000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 205 |

## Pin headers SLA 90B






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 10 | 10 | 10 |

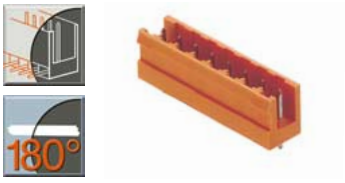
*Overvoltage category III / Pollution severity 3

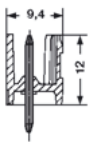
Additional technical data see page 227

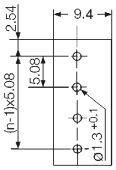
| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | SLA 2/90B | **1241060000** | **1351410000** | 100 |
| 3 | SLA 3/90B | **1241160000** | **1351510000** | 100 |
| 4 | SLA 4/90B | **1241260000** | **1351610000** | 100 |
| 5 | SLA 5/90B | **1241360000** | **1351710000** | 50 |
| 6 | SLA 6/90B | **1241460000** | **1351810000** | 50 |
| 7 | SLA 7/90B | **1241560000** | **1351910000** | 50 |
| 8 | SLA 8/90B | **1241660000** | **1352010000** | 50 |
| 9 | SLA 9/90B | **1241760000** | **1352110000** | 50 |
| 10 | SLA 10/90B | **1241860000** | **1352210000** | 50 |
| 11 | SLA 11/90B | **1241960000** | **1352310000** | 50 |
| 12 | SLA 12/90B | **1242060000** | **1352410000** | 50 |
| 13 | SLA 13/90B | **1242160000** | **1352510000** | 50 |
| 14 | SLA 14/90B | **1242260000** | **1352610000** | 50 |
| 15 | SLA 15/90B | **1242360000** | **1352710000** | 50 |
| 16 | SLA 16/90B | **1242460000** | **1352810000** | 50 |
| 17 | SLA 17/90B | **1270260000** | **1352910000** | 20 |
| 18 | SLA 18/90B | **1270360000** | **1353010000** | 20 |
| 19 | SLA 19/90B | **1270460000** | **1353110000** | 20 |
| 20 | SLA 20/90B | **1270560000** | **1353210000** | 20 |
| 21 | SLA 21/90B | **1270660000** | **1353310000** | 20 |
| 22 | SLA 22/90B | **1315660000** | **1353410000** | 20 |
| 23 | SLA 23/90B | **1315760000** | **1353510000** | 20 |
| 24 | SLA 24/90B | **1315860000** | **1353610000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 205 |

## Pin headers SLA 180






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 10 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 227

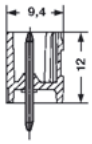
| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | SLA 2/180 | **1239560000** | **1349110000** | 100 |
| 3 | SLA 3/180 | **1239660000** | **1349210000** | 100 |
| 4 | SLA 4/180 | **1239760000** | **1349310000** | 100 |
| 5 | SLA 5/180 | **1239860000** | **1349410000** | 50 |
| 6 | SLA 6/180 | **1239960000** | **1349510000** | 50 |
| 7 | SLA 7/180 | **1240060000** | **1349610000** | 50 |
| 8 | SLA 8/180 | **1240160000** | **1349710000** | 50 |
| 9 | SLA 9/180 | **1240260000** | **1349810000** | 50 |
| 10 | SLA 10/180 | **1240360000** | **1349910000** | 50 |
| 11 | SLA 11/180 | **1240460000** | **1350010000** | 50 |
| 12 | SLA 12/180 | **1240560000** | **1350110000** | 50 |
| 13 | SLA 13/180 | **1240660000** | **1350210000** | 50 |
| 14 | SLA 14/180 | **1240760000** | **1350310000** | 50 |
| 15 | SLA 15/180 | **1240860000** | **1350410000** | 50 |
| 16 | SLA 16/180 | **1240960000** | **1350510000** | 50 |
| 17 | SLA 17/180 | **1271260000** | **1350610000** | 20 |
| 18 | SLA 18/180 | **1271360000** | **1350710000** | 20 |
| 19 | SLA 19/180 | **1271460000** | **1350810000** | 20 |
| 20 | SLA 20/180 | **1271560000** | **1350910000** | 20 |
| 21 | SLA 21/180 | **1271660000** | **1351010000** | 20 |
| 22 | SLA 22/180 | **1315060000** | **1351110000** | 20 |
| 23 | SLA 23/180 | **1315160000** | **1351210000** | 20 |
| 24 | SLA 24/180 | **1315260000** | **1351310000** | 20 |

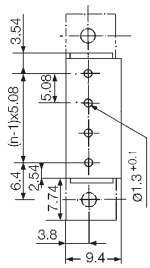
| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |


## Pin headers SLA 180B










| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 250* | 300 | 300 |
| Rated current | A | 10 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 227

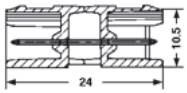
**Solder pin length** **3.2 mm** **4.5 mm**

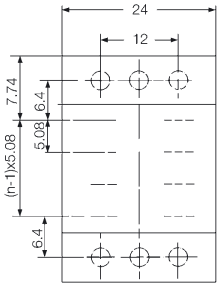
**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | SLA 2/180B | **1242560000** | **1353710000** | 100 |
| 3 | SLA 3/180B | **1242660000** | **1353810000** | 100 |
| 4 | SLA 4/180B | **1242760000** | **1353910000** | 100 |
| 5 | SLA 5/180B | **1242860000** | **1354010000** | 50 |
| 6 | SLA 6/180B | **1242960000** | **1354110000** | 50 |
| 7 | SLA 7/180B | **1243060000** | **1354210000** | 50 |
| 8 | SLA 8/180B | **1243160000** | **1354310000** | 50 |
| 9 | SLA 9/180B | **1243260000** | **1354410000** | 50 |
| 10 | SLA 10/180B | **1243360000** | **1354510000** | 50 |
| 11 | SLA 11/180B | **1243460000** | **1354610000** | 50 |
| 12 | SLA 12/180B | **1243560000** | **1354710000** | 50 |
| 13 | SLA 13/180B | **1243660000** | **1354810000** | 50 |
| 14 | SLA 14/180B | **1243760000** | **1354910000** | 50 |
| 15 | SLA 15/180B | **1243860000** | **1355010000** | 50 |
| 16 | SLA 16/180B | **1243960000** | **1355110000** | 50 |
| 17 | SLA 17/180B | **1270760000** | **1355210000** | 20 |
| 18 | SLA 18/180B | **1270860000** | **1355310000** | 20 |
| 19 | SLA 19/180B | **1270960000** | **1355410000** | 20 |
| 20 | SLA 20/180B | **1271060000** | **1355510000** | 20 |
| 21 | SLA 21/180B | **1271160000** | **1355610000** | 20 |
| 22 | SLA 22/180B | **1315360000** | **1355710000** | 20 |
| 23 | SLA 23/180B | **1315460000** | **1355810000** | 20 |
| 24 | SLA 24/180B | **1315560000** | **1355910000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | – |

## Pin headers SLAKU




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 250* | 300 | 300 |
| Rated current | A | 10 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

**Colour**

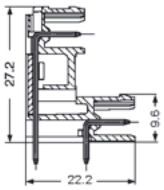
| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | SLAKU 2 | **1359660000** | 50 |
| 3 | SLAKU 3 | **1359760000** | 50 |
| 4 | SLAKU 4 | **1342760000** | 50 |
| 5 | SLAKU 5 | **1359860000** | 25 |
| 6 | SLAKU 6 | **1359960000** | 25 |
| 7 | SLAKU 7 | **1360060000** | 20 |
| 8 | SLAKU 8 | **1342860000** | 20 |
| 9 | SLAKU 9 | **1360160000** | 20 |
| 10 | SLAKU 10 | **1360260000** | 20 |
| 11 | SLAKU 11 | **1360360000** | 10 |
| 12 | SLAKU 12 | **1360460000** | 10 |

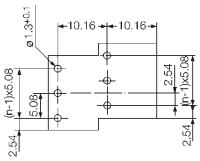
| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | – |
| Coding | – |
| Miscellaneous | – |

## Pin headers SLAD 90










| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 250* | 300 | 300 |
| Rated current | A | 8 | 10 | 7 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 227

**Solder pin length** **3.2 mm** **4.5 mm**

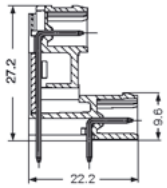
**Colour**

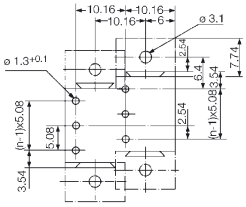
| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 4 | SLAD 4/90 | **1320060000** | **1321610000** | 50 |
| 6 | SLAD 6/90 | **1320160000** | **1321710000** | 50 |
| 8 | SLAD 8/90 | **1372460000** | **1385510000** | 50 |
| 10 | SLAD 10/90 | **1372560000** | **1385610000** | 50 |
| 12 | SLAD 12/90 | **1372660000** | **1385710000** | 50 |
| 14 | SLAD 14/90 | **1372760000** | **1385810000** | 50 |
| 16 | SLAD 16/90 | **1372860000** | **1385910000** | 20 |
| 18 | SLAD 18/90 | **1372960000** | **1386010000** | 20 |
| 20 | SLAD 20/90 | **1373060000** | **1386110000** | 20 |
| 22 | SLAD 22/90 | **1373160000** | **1386210000** | 10 |
| 24 | SLAD 24/90 | **1373260000** | **1386310000** | 10 |
| 26 | SLAD 26/90 | **1373360000** | **1386410000** | 10 |
| 28 | SLAD 28/90 | **1373460000** | **1386510000** | 10 |
| 30 | SLAD 30/90 | **1373560000** | **1386610000** | 10 |
| 32 | SLAD 32/90 | **1373660000** | **1386710000** | 10 |
| 34 | SLAD 34/90 | **1373760000** | **1386810000** | 10 |
| 36 | SLAD 36/90 | **1373860000** | **1386910000** | 10 |
| 38 | SLAD 38/90 | **1373960000** | **1387010000** | 10 |
| 40 | SLAD 40/90 | **1374060000** | **1387110000** | 10 |
| 42 | SLAD 42/90 | **1374160000** | **1387210000** | 10 |
| 44 | SLAD 44/90 | **1374260000** | **1387310000** | 10 |
| 46 | SLAD 46/90 | **1374360000** | **1387410000** | 10 |
| 48 | SLAD 48/90 | **1374460000** | **1387510000** | 10 |

| Accessories | Page |
|---|---|
| Fixing | 194 |
| Marking | 196 |
| Coding | 198, 199 |
| Miscellaneous | – |

# Unimate Range - SLA/BLA

## Pin headers SLAD 90B


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 250* | 300 | 300 |
| Rated current | A | 8 | 10 | 7 |

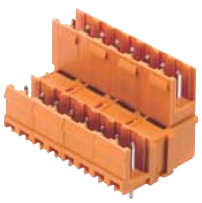
*Overvoltage category III / Pollution severity 3

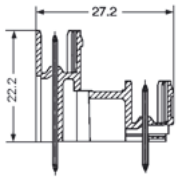
Additional technical data see page 227

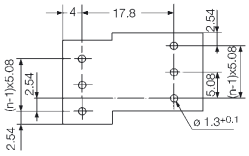
| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 4 | SLAD 4/90B | **1320660000** | **1322210000** | 50 |
| 6 | SLAD 6/90B | **1320760000** | **1322310000** | 50 |
| 8 | SLAD 8/90B | **1388560000** | **1387610000** | 50 |
| 10 | SLAD 10/90B | **1388660000** | **1387710000** | 50 |
| 12 | SLAD 12/90B | **1388760000** | **1387810000** | 50 |
| 14 | SLAD 14/90B | **1388860000** | **1387910000** | 50 |
| 16 | SLAD 16/90B | **1388960000** | **1388010000** | 20 |
| 18 | SLAD 18/90B | **1389060000** | **1388110000** | 20 |
| 20 | SLAD 20/90B | **1389160000** | **1388210000** | 20 |
| 22 | SLAD 22/90B | **1389260000** | **1388310000** | 10 |
| 24 | SLAD 24/90B | **1389360000** | **1388410000** | 10 |
| 26 | SLAD 26/90B | **1390660000** | **1389410000** | 10 |
| 28 | SLAD 28/90B | **1390760000** | **1389510000** | 10 |
| 30 | SLAD 30/90B | **1390860000** | **1389610000** | 10 |
| 32 | SLAD 32/90B | **1390960000** | **1389710000** | 10 |
| 34 | SLAD 34/90B | **1391060000** | **1389810000** | 10 |
| 36 | SLAD 36/90B | **1391160000** | **1389910000** | 10 |
| 38 | SLAD 38/90B | **1391260000** | **1390010000** | 10 |
| 40 | SLAD 40/90B | **1391360000** | **1390110000** | 10 |
| 42 | SLAD 42/90B | **1391460000** | **1390210000** | 10 |
| 44 | SLAD 44/90B | **1391560000** | **1390310000** | 10 |
| 46 | SLAD 46/90B | **1391660000** | **1390410000** | 10 |
| 48 | SLAD 48/90B | **1391760000** | **1390510000** | 10 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 198, 199 |
| Miscellaneous | – |

## Pin headers SLAD 180




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 250* | 300 | 300 |
| Rated current | A | 8 | 10 | 7 |

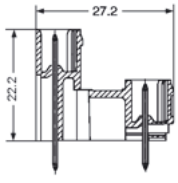
*Overvoltage category III / Pollution severity 3

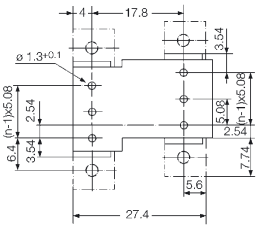
Additional technical data see page 227

| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 4 | SLAD 4/180 | **1320860000** | **1322410000** | 50 |
| 6 | SLAD 6/180 | **1320960000** | **1322510000** | 50 |
| 8 | SLAD 8/180 | **1374560000** | **1383410000** | 50 |
| 10 | SLAD 10/180 | **1374660000** | **1383510000** | 50 |
| 12 | SLAD 12/180 | **1374760000** | **1383610000** | 50 |
| 14 | SLAD 14/180 | **1374860000** | **1383710000** | 50 |
| 16 | SLAD 16/180 | **1374960000** | **1383810000** | 20 |
| 18 | SLAD 18/180 | **1375060000** | **1383910000** | 20 |
| 20 | SLAD 20/180 | **1375160000** | **1384010000** | 20 |
| 22 | SLAD 22/180 | **1375260000** | **1384110000** | 10 |
| 24 | SLAD 24/180 | **1375360000** | **1384210000** | 10 |
| 26 | SLAD 26/180 | **1375460000** | **1384310000** | 10 |
| 28 | SLAD 28/180 | **1375560000** | **1384410000** | 10 |
| 30 | SLAD 30/180 | **1375660000** | **1384510000** | 10 |
| 32 | SLAD 32/180 | **1375760000** | **1384610000** | 10 |
| 34 | SLAD 34/180 | **1375860000** | **1384710000** | 10 |
| 36 | SLAD 36/180 | **1375960000** | **1384810000** | 10 |
| 38 | SLAD 38/180 | **1376060000** | **1384910000** | 10 |
| 40 | SLAD 40/180 | **1376160000** | **1385010000** | 10 |
| 42 | SLAD 42/180 | **1376260000** | **1385110000** | 10 |
| 44 | SLAD 44/180 | **1376360000** | **1385210000** | 10 |
| 46 | SLAD 46/180 | **1376460000** | **1385310000** | 10 |
| 48 | SLAD 48/180 | **1376560000** | **1385410000** | 10 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 198, 199 |
| Miscellaneous | – |

## Pin headers SLAD 180B


| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 250* | 300 | 300 |
| Rated current | A | 8 | 10 | 7 |

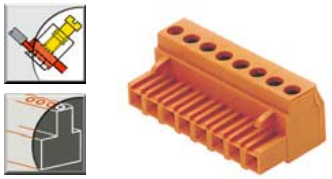
*Overvoltage category III / Pollution severity 3

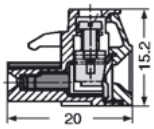
Additional technical data see page 227

| Solder pin length | | 3.2 mm | 4.5 mm | |
|---|---|---|---|---|
| Colour | | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 4 | SLAD 4/180B | **1321460000** | **1323010000** | 50 |
| 6 | SLAD 6/180B | **1321560000** | **1323110000** | 50 |
| 8 | SLAD 8/180B | **1392760000** | **1391810000** | 50 |
| 10 | SLAD 10/180B | **1392860000** | **1391910000** | 50 |
| 12 | SLAD 12/180B | **1392960000** | **1392010000** | 50 |
| 14 | SLAD 14/180B | **1393060000** | **1392110000** | 50 |
| 16 | SLAD 16/180B | **1393160000** | **1392210000** | 20 |
| 18 | SLAD 18/180B | **1393260000** | **1392310000** | 20 |
| 20 | SLAD 20/180B | **1393360000** | **1392410000** | 20 |
| 22 | SLAD 22/180B | **1393460000** | **1392510000** | 10 |
| 24 | SLAD 24/180B | **1393560000** | **1392610000** | 10 |
| 26 | SLAD 26/180B | **1394860000** | **1393610000** | 10 |
| 28 | SLAD 28/180B | **1394960000** | **1393710000** | 10 |
| 30 | SLAD 30/180B | **1395060000** | **1393810000** | 10 |
| 32 | SLAD 32/180B | **1395160000** | **1393910000** | 10 |
| 34 | SLAD 34/180B | **1395260000** | **1394010000** | 10 |
| 36 | SLAD 36/180B | **1395360000** | **1354110000** | 10 |
| 38 | SLAD 38/180B | **1395460000** | **1394210000** | 10 |
| 40 | SLAD 40/180B | **1395560000** | **1394310000** | 10 |
| 42 | SLAD 42/180B | **1395660000** | **1394410000** | 10 |
| 44 | SLAD 44/180B | **1395760000** | **1394510000** | 10 |
| 46 | SLAD 46/180B | **1395860000** | **1394610000** | 10 |
| 48 | SLAD 48/180B | **1395960000** | **1394710000** | 10 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 198, 199 |
| Miscellaneous | – |


## Socket blocks BLA






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 10 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

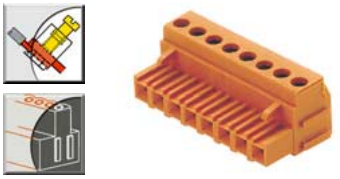
*Overvoltage category III / Pollution severity 3

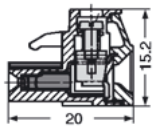
Additional technical data see page 228

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLA 2 | **1281760000** | **1281710000** | 100 |
| 3 | BLA 3 | **1281860000** | **1281810000** | 100 |
| 4 | BLA 4 | **1281960000** | **1281910000** | 100 |
| 5 | BLA 5 | **1282060000** | **1282010000** | 50 |
| 6 | BLA 6 | **1282160000** | **1282110000** | 50 |
| 7 | BLA 7 | **1282260000** | **1282210000** | 50 |
| 8 | BLA 8 | **1282360000** | **1282310000** | 50 |
| 9 | BLA 9 | **1282460000** | **1282410000** | 50 |
| 10 | BLA 10 | **1282560000** | **1282510000** | 50 |
| 11 | BLA 11 | **1282660000** | **1282610000** | 50 |
| 12 | BLA 12 | **1282760000** | **1282710000** | 50 |
| 13 | BLA 13 | **1282860000** | **1282810000** | 50 |
| 14 | BLA 14 | **1282960000** | **1282910000** | 50 |
| 15 | BLA 15 | **1283060000** | **1283010000** | 50 |
| 16 | BLA 16 | **1283160000** | **1283110000** | 50 |
| 17 | BLA 17 | **1283260000** | **1283210000** | 20 |
| 18 | BLA 18 | **1283360000** | **1283310000** | 20 |
| 19 | BLA 19 | **1283460000** | **1283410000** | 20 |
| 20 | BLA 20 | **1283560000** | **1283510000** | 20 |
| 21 | BLA 21 | **1283660000** | **1283610000** | 20 |
| 22 | BLA 22 | **1314260000** | **1314210000** | 20 |
| 23 | BLA 23 | **1314360000** | **1314310000** | 20 |
| 24 | BLA 24 | **1314460000** | **1314410000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 202-207 |

## Socket blocks BLA B






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 10 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

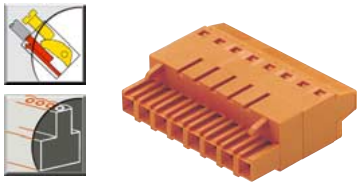
*Overvoltage category III / Pollution severity 3

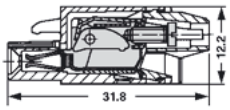
Additional technical data see page 228

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLA 2B | **1356060000** | **1356010000** | 100 |
| 3 | BLA 3B | **1356160000** | **1356110000** | 100 |
| 4 | BLA 4B | **1356260000** | **1356210000** | 100 |
| 5 | BLA 5B | **1356360000** | **1356310000** | 50 |
| 6 | BLA 6B | **1356460000** | **1356410000** | 50 |
| 7 | BLA 7B | **1356560000** | **1356510000** | 50 |
| 8 | BLA 8B | **1356660000** | **1356610000** | 50 |
| 9 | BLA 9B | **1356760000** | **1356710000** | 50 |
| 10 | BLA 10B | **1356860000** | **1356810000** | 50 |
| 11 | BLA 11B | **1356960000** | **1356910000** | 50 |
| 12 | BLA 12B | **1357060000** | **1357010000** | 50 |
| 13 | BLA 13B | **1357160000** | **1357110000** | 50 |
| 14 | BLA 14B | **1357260000** | **1357210000** | 50 |
| 15 | BLA 15B | **1357360000** | **1357310000** | 50 |
| 16 | BLA 16B | **1357460000** | **1357410000** | 50 |
| 17 | BLA 17B | **1357560000** | **1357510000** | 20 |
| 18 | BLA 18B | **1357660000** | **1357610000** | 20 |
| 19 | BLA 19B | **1357760000** | **1357710000** | 20 |
| 20 | BLA 20B | **1357860000** | **1357810000** | 20 |
| 21 | BLA 21B | **1357960000** | **1357910000** | 20 |
| 22 | BLA 22B | **1358060000** | **1358010000** | 20 |
| 23 | BLA 23B | **1358160000** | **1358110000** | 20 |
| 24 | BLA 24B | **1358260000** | **1358210000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 202-207 |

## Socket blocks BLAT






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 10 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 1.5 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

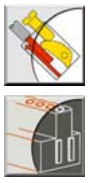
Additional technical data see page 229

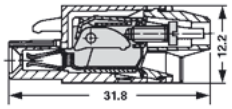
| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | BLAT 2 | **1484260000** | **1484210000** | 100 |
| 3 | BLAT 3 | **1484360000** | **1484310000** | 100 |
| 4 | BLAT 4 | **1484460000** | **1484410000** | 100 |
| 5 | BLAT 5 | **1484560000** | **1484510000** | 50 |
| 6 | BLAT 6 | **1484660000** | **1484610000** | 50 |
| 7 | BLAT 7 | **1484760000** | **1484710000** | 50 |
| 8 | BLAT 8 | **1484860000** | **1484810000** | 50 |
| 9 | BLAT 9 | **1484960000** | **1484910000** | 50 |
| 10 | BLAT 10 | **1485060000** | **1485010000** | 50 |
| 11 | BLAT 11 | **1485160000** | **1485110000** | 50 |
| 12 | BLAT 12 | **1485260000** | **1485210000** | 50 |
| 13 | BLAT 13 | **1485360000** | **1485310000** | 50 |
| 14 | BLAT 14 | **1485460000** | **1485410000** | 50 |
| 15 | BLAT 15 | **1485560000** | **1485510000** | 50 |
| 16 | BLAT 16 | **1485660000** | **1485610000** | 50 |
| 17 | BLAT 17 | **1485760000** | **1485710000** | 20 |
| 18 | BLAT 18 | **1485860000** | **1485810000** | 20 |
| 19 | BLAT 19 | **1485960000** | **1485910000** | 20 |
| 20 | BLAT 20 | **1486060000** | **1486010000** | 20 |
| 21 | BLAT 21 | **1486160000** | **1486110000** | 20 |
| 22 | BLAT 22 | **1486260000** | **1486210000** | 20 |
| 23 | BLAT 23 | **1486360000** | **1486310000** | 20 |
| 24 | BLAT 24 | **1486460000** | **1486410000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 202-207 |

# Unimate Range - SLA/BLA


## Socket blocks BLAT B






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 10 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 1.5 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 229

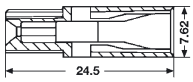
**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | BLAT 2B | **1486560000** | **1486510000** | 100 |
| 3 | BLAT 3B | **1486660000** | **1486610000** | 100 |
| 4 | BLAT 4B | **1486760000** | **1486710000** | 100 |
| 5 | BLAT 5B | **1486860000** | **1486810000** | 50 |
| 6 | BLAT 6B | **1486960000** | **1486910000** | 50 |
| 7 | BLAT 7B | **1487060000** | **1487010000** | 50 |
| 8 | BLAT 8B | **1487160000** | **1487110000** | 50 |
| 9 | BLAT 9B | **1487260000** | **1487210000** | 50 |
| 10 | BLAT 10B | **1487360000** | **1487310000** | 50 |
| 11 | BLAT 11B | **1487460000** | **1487410000** | 50 |
| 12 | BLAT 12B | **1487560000** | **1487510000** | 50 |
| 13 | BLAT 13B | **1487660000** | **1487610000** | 50 |
| 14 | BLAT 14B | **1487760000** | **1487710000** | 50 |
| 15 | BLAT 15B | **1487860000** | **1487810000** | 50 |
| 16 | BLAT 16B | **1487960000** | **1487910000** | 50 |
| 17 | BLAT 17B | **1488060000** | **1488010000** | 20 |
| 18 | BLAT 18B | **1488160000** | **1488110000** | 20 |
| 19 | BLAT 19B | **1488260000** | **1488210000** | 20 |
| 20 | BLAT 20B | **1488360000** | **1488310000** | 20 |
| 21 | BLAT 21B | **1488460000** | **1488410000** | 20 |
| 22 | BLAT 22B | **1488560000** | **1488510000** | 20 |
| 23 | BLAT 23B | **1488660000** | **1488610000** | 20 |
| 24 | BLAT 24B | **1488760000** | **1488710000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 202-207 |

## Socket blocks BLAC



without locking hooks



| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 14 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 2.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

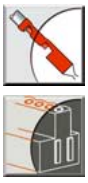
Additional technical data see page 228

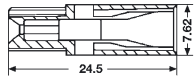
**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | BLAC 2 | **1578200000** | 100 |
| 3 | BLAC 3 | **1476160000** | 100 |
| 4 | BLAC 4 | **1476260000** | 100 |
| 5 | BLAC 5 | **1577520000** | 50 |
| 6 | BLAC 6 | **1476360000** | 50 |
| 7 | BLAC 7 | **1577530000** | 50 |
| 8 | BLAC 8 | **1476460000** | 50 |
| 9 | BLAC 9 | **1577540000** | 50 |
| 10 | BLAC 10 | **1476560000** | 50 |
| 11 | BLAC 11 | **1577550000** | 50 |
| 12 | BLAC 12 | **1476660000** | 50 |
| 13 | BLAC 13 | **1601040000** | 50 |
| 14 | BLAC 14 | **1594140000** | 50 |
| 15 | BLAC 15 | **1601050000** | 50 |
| 16 | BLAC 16 | **1476760000** | 50 |
| 17 | BLAC 17 | **1601060000** | 20 |
| 18 | BLAC 18 | **1601070000** | 20 |
| 19 | BLAC 19 | **1601080000** | 20 |
| 20 | BLAC 20 | **1476860000** | 20 |
| 21 | BLAC 21 | **1601090000** | 20 |
| 22 | BLAC 22 | **1601100000** | 20 |
| 23 | BLAC 23 | **1601110000** | 20 |
| 24 | BLAC 24 | **1476960000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 202-207 |

## Socket blocks BLAC B



without locking hooks



| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 14 | 10 | 10 |
| **Clamping range max.** | mm²/AWG | 2.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

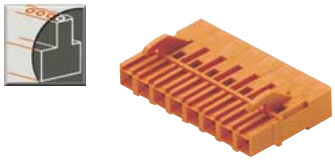
Additional technical data see page 228

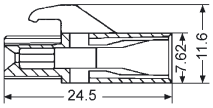
**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | BLAC 2B | **1578210000** | 100 |
| 3 | BLAC 3B | **1477060000** | 100 |
| 4 | BLAC 4B | **1477160000** | 100 |
| 5 | BLAC 5B | **1577440000** | 50 |
| 6 | BLAC 6B | **1477260000** | 50 |
| 7 | BLAC 7B | **1577450000** | 50 |
| 8 | BLAC 8B | **1477360000** | 50 |
| 9 | BLAC 9B | **1577460000** | 50 |
| 10 | BLAC 10B | **1477460000** | 50 |
| 11 | BLAC 11B | **1577470000** | 50 |
| 12 | BLAC 12B | **1477560000** | 50 |
| 13 | BLAC 13B | **1601200000** | 50 |
| 14 | BLAC 14B | **1594150000** | 50 |
| 15 | BLAC 15B | **1601210000** | 50 |
| 16 | BLAC 16B | **1477660000** | 50 |
| 17 | BLAC 17B | **1601220000** | 20 |
| 18 | BLAC 18B | **1601230000** | 20 |
| 19 | BLAC 19B | **1601240000** | 20 |
| 20 | BLAC 20B | **1477760000** | 20 |
| 21 | BLAC 21B | **1601250000** | 20 |
| 22 | BLAC 22B | **1601260000** | 20 |
| 23 | BLAC 23B | **1601270000** | 20 |
| 24 | BLAC 24B | **1477860000** | 20 |

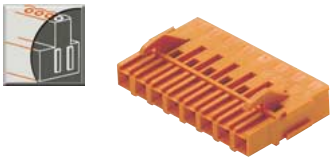
| Accessories | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 202-207 |

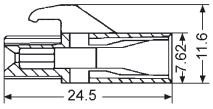

## Socket blocks BLAC R






## Socket blocks BLAC BR






## Crimp contacts for BLAC 5.08

A variety of crimp contacts are available for the use with the socket block BLAC 5.08 to match the specific application.

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 14 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 228

| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 14 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 228

**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | BLAC 2R | **1578220000** | 100 |
| 3 | BLAC 3R | **1477960000** | 100 |
| 4 | BLAC 4R | **1478060000** | 100 |
| 5 | BLAC 5R | **1577480000** | 50 |
| 6 | BLAC 6R | **1478160000** | 50 |
| 7 | BLAC 7R | **1577490000** | 50 |
| 8 | BLAC 8R | **1478260000** | 50 |
| 9 | BLAC 9R | **1577500000** | 50 |
| 10 | BLAC 10R | **1478360000** | 50 |
| 11 | BLAC 11R | **1577510000** | 50 |
| 12 | BLAC 12R | **1478460000** | 50 |
| 13 | BLAC 13R | **1601120000** | 50 |
| 14 | BLAC 14R | **1594160000** | 50 |
| 15 | BLAC 15R | **1601130000** | 50 |
| 16 | BLAC 16R | **1478560000** | 50 |
| 17 | BLAC 17R | **1601140000** | 20 |
| 18 | BLAC 18R | **1601150000** | 20 |
| 19 | BLAC 19R | **1601160000** | 20 |
| 20 | BLAC 20R | **1478660000** | 20 |
| 21 | BLAC 21R | **1601170000** | 20 |
| 22 | BLAC 22R | **1601180000** | 20 |
| 23 | BLAC 23R | **1601190000** | 20 |
| 24 | BLAC 24R | **1478760000** | 20 |

**Colour**

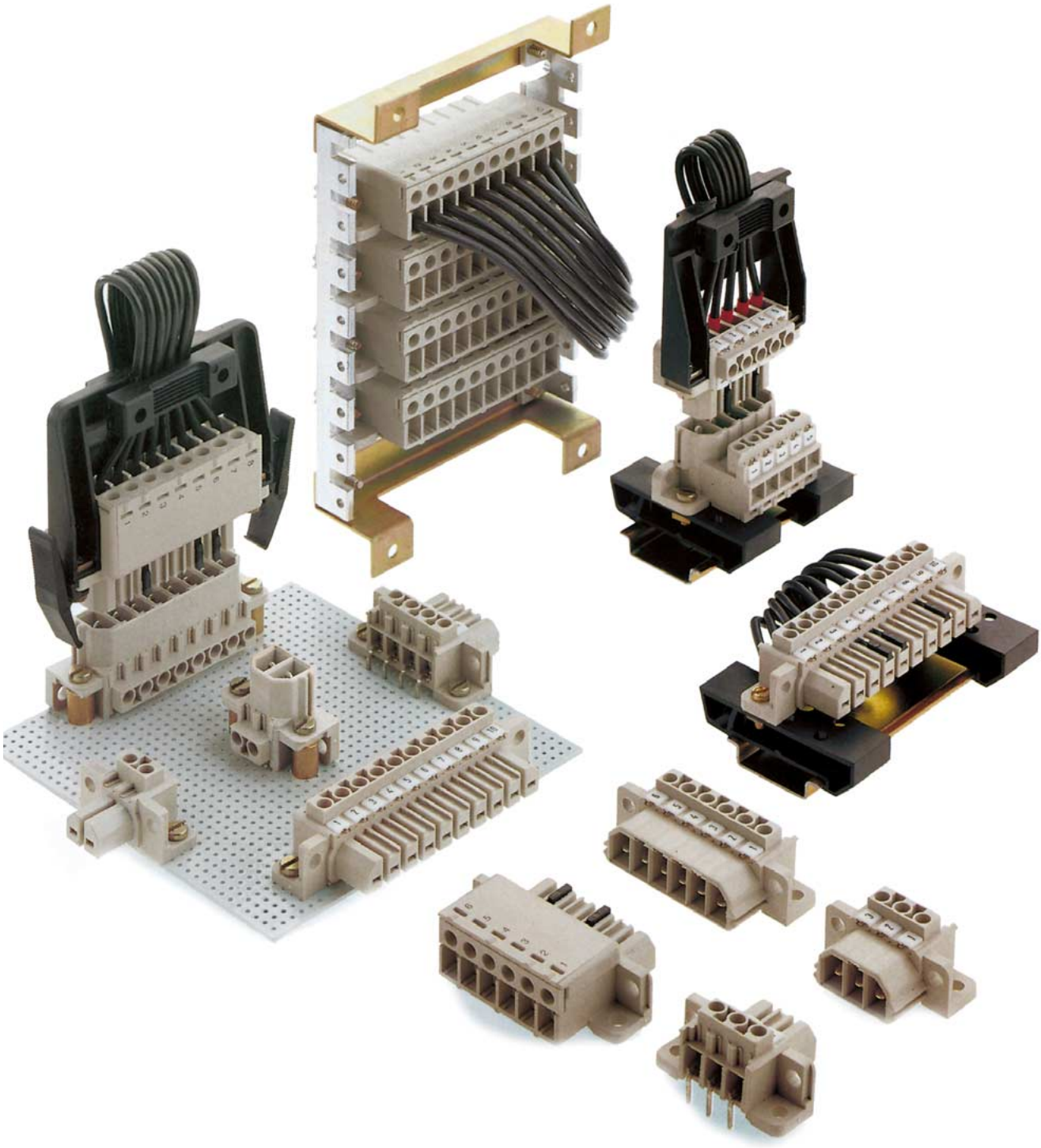
| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | BLAC 2BR | **1578230000** | 100 |
| 3 | BLAC 3BR | **1478860000** | 100 |
| 4 | BLAC 4BR | **1478960000** | 100 |
| 5 | BLAC 5BR | **1444160000** | 50 |
| 6 | BLAC 6BR | **1479060000** | 50 |
| 7 | BLAC 7BR | **1577430000** | 50 |
| 8 | BLAC 8BR | **1479160000** | 50 |
| 9 | BLAC 9BR | **1577420000** | 50 |
| 10 | BLAC 10BR | **1479260000** | 50 |
| 11 | BLAC 11BR | **1577410000** | 50 |
| 12 | BLAC 12BR | **1479360000** | 50 |
| 13 | BLAC 13BR | **1601280000** | 50 |
| 14 | BLAC 14BR | **1594170000** | 50 |
| 15 | BLAC 15BR | **1601290000** | 50 |
| 16 | BLAC 16BR | **1479460000** | 50 |
| 17 | BLAC 17BR | **1601300000** | 20 |
| 18 | BLAC 18BR | **1601310000** | 20 |
| 19 | BLAC 19BR | **1601320000** | 20 |
| 20 | BLAC 20BR | **1479560000** | 20 |
| 21 | BLAC 21BR | **1601330000** | 20 |
| 22 | BLAC 22BR | **1601340000** | 20 |
| 23 | BLAC 23BR | **1601350000** | 20 |
| 24 | BLAC 24BR | **1479660000** | 20 |

| **Single contacts, tin-plated** | for conductor | Cat. No. | Qty. |
|---|---|---|---|
| DFFC 0.22-0.35 SN E | 0.22-0.35 $mm^2$ | **1604250000** | 250 |
| DFFC 0.5-1.0 SN E | 0.5-1.0 $mm^2$ | **1567060000** | 250 |
| DFFC 1.5-2.5 SN E | 1.5-2.5 $mm^2$ | **1567070000** | 250 |

| **Bandolier, tin-plated** | for conductor | Cat. No. | Qty. |
|---|---|---|---|
| DFFC 0.22-0.35 SN R | 0.22-0.35 $mm^2$ | **1604230000** | 3000 |
| DFFC 0.5-1.0 SN R | 0.5-1.0 $mm^2$ | **1480000000** | 3000 |
| DFFC 1.5-2.5 SN R | 1.5-2.5 $mm^2$ | **1480100000** | 2500 |

| **Accessories** | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 202-207 |

| **Accessories** | Page |
|---|---|
| Fixing | 193 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 202-207 |



## Powermate Range - STV S/STW S

For high-current applications – such as charging controllers, transistorized pulse-controlled inverters, thyristor controllers, actuators or power supplies – we have tailored the STV S/STW S product family. In 7.00 mm pitch, this powerful solution satisfies requirements that are placed upon high-current connectors.

Thanks to leaf spring and TOP connections, currents up to 32 A can safely be conducted. Protected connector fields can swiftly be set up in the switchgear cabinet so that heavy duty connectors are no longer required.

The **Powermate Range** provides the number of poles that is required for your application – there will never be any surplus poles in the connector element.

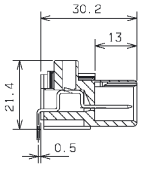
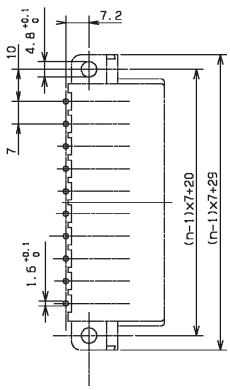
**Product features overview:**

- voltages up to 500 V,
  currents up to 32 A,
  conductor cross-sections up to 4 $mm^2$
- low contact resistance and little heating due to silver-plated contacts
- ideal for connector fields: conductor parallel screwing with TOP connection
- two to ten poles
- marking of each individual pole possible
- integrated fixing flanges
- finger-safe due to recessed screws
- flame-resistant according to UL 94 V-0 (non-flammable)
- large selection of accessories

# Powermate Range - STV S/STW S

## Pin headers STV S LS90



| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 18 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 230

**Solder pin length** **3.2 mm**

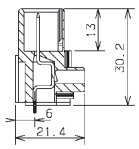
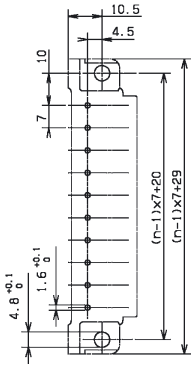
**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | STV S 2 LS90 | **1612480000** | 10 |
| 3 | STV S 3 LS90 | **1612500000** | 10 |
| 4 | STV S 4 LS90 | **1612520000** | 10 |
| 5 | STV S 5 LS90 | **1612540000** | 10 |
| 6 | STV S 6 LS90 | **1612560000** | 10 |
| 7 | STV S 7 LS90 | **1612580000** | 10 |
| 8 | STV S 8 LS90 | **1612600000** | 10 |
| 9 | STV S 9 LS90 | **1612620000** | 10 |
| 10 | STV S 10 LS90 | **1612640000** | 10 |

| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 197 |
| Coding | 199 |
| Miscellaneous | 206 |

## Pin headers STV S LS180



| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 18 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 230

**Solder pin length** **3.2 mm**

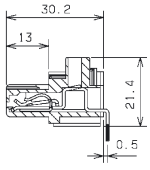
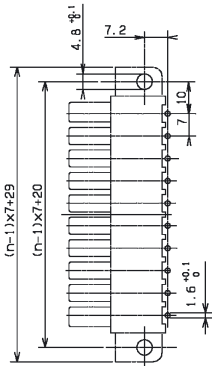
**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | STV S 2 LS180 | **1612660000** | 10 |
| 3 | STV S 3 LS180 | **1612680000** | 10 |
| 4 | STV S 4 LS180 | **1612700000** | 10 |
| 5 | STV S 5 LS180 | **1612720000** | 10 |
| 6 | STV S 6 LS180 | **1612740000** | 10 |
| 7 | STV S 7 LS180 | **1612760000** | 10 |
| 8 | STV S 8 LS180 | **1612780000** | 10 |
| 9 | STV S 9 LS180 | **1612800000** | 10 |
| 10 | STV S 10 LS180 | **1612820000** | 10 |

| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 197 |
| Coding | 199 |
| Miscellaneous | 206 |

## Socket blocks STV S LB90



| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 18 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 230

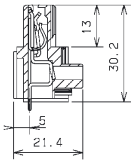
**Solder pin length** **3.2 mm**

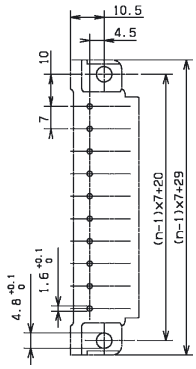
**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | STV S 2 LB90 | **1612490000** | 10 |
| 3 | STV S 3 LB90 | **1612510000** | 10 |
| 4 | STV S 4 LB90 | **1612530000** | 10 |
| 5 | STV S 5 LB90 | **1612550000** | 10 |
| 6 | STV S 6 LB90 | **1612570000** | 10 |
| 7 | STV S 7 LB90 | **1612590000** | 10 |
| 8 | STV S 8 LB90 | **1612610000** | 10 |
| 9 | STV S 9 LB90 | **1612630000** | 10 |
| 10 | STV S 10 LB90 | **1612650000** | 10 |

| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 197 |
| Coding | 199 |
| Miscellaneous | 206 |

## Socket blocks STV S LB180




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 300 | 300 |
| **Rated current** | A | 18 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 230

**Solder pin length** **3.2 mm**

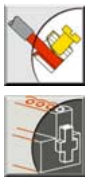
**Colour**

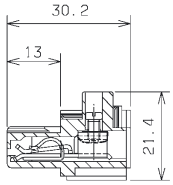
| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | STV S 2 LB180 | **1612670000** | 10 |
| 3 | STV S 3 LB180 | **1612690000** | 10 |
| 4 | STV S 4 LB180 | **1612710000** | 10 |
| 5 | STV S 5 LB180 | **1612730000** | 10 |
| 6 | STV S 6 LB180 | **1612750000** | 10 |
| 7 | STV S 7 LB180 | **1612770000** | 10 |
| 8 | STV S 8 LB180 | **1612790000** | 10 |
| 9 | STV S 9 LB180 | **1612810000** | 10 |
| 10 | STV S 10 LB180 | **1612830000** | 10 |

| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | 197 |
| Coding | 199 |
| Miscellaneous | 206 |

# Powermate Range - STV S/STW S


## Socket blocks STV S SB






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 600 | 600 |
| **Rated current** | A | 32 | 25 | 25 |
| **Clamping range max.** | mm²/AWG | 4.0 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

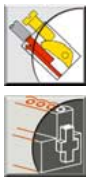
Additional technical data see page 230

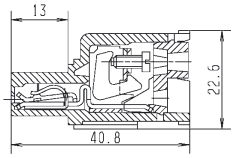
**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | STV S 2 SB | **1611960000** | 10 |
| 3 | STV S 3 SB | **1611990000** | 10 |
| 4 | STV S 4 SB | **1612020000** | 10 |
| 5 | STV S 5 SB | **1612050000** | 10 |
| 6 | STV S 6 SB | **1612080000** | 10 |
| 7 | STV S 7 SB | **1612110000** | 10 |
| 8 | STV S 8 SB | **1612140000** | 10 |
| 9 | STV S 9 SB | **1612170000** | 10 |
| 10 | STV S 10 SB | **1612200000** | 10 |

| Accessories | Page |
|---|---|
| Fixing | integrated in product, 195 |
| Marking | 197 |
| Coding | 199 |
| Miscellaneous | 203, 206 |

## Socket blocks STV S TB






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 600 | 600 |
| **Rated current** | A | 22 | 17 | 17 |
| **Clamping range max.** | mm²/AWG | 2.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

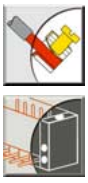
Additional technical data see page 231

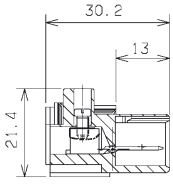
**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | STV S 2 TB | **1612230000** | 10 |
| 3 | STV S 3 TB | **1612260000** | 10 |
| 4 | STV S 4 TB | **1612290000** | 10 |
| 5 | STV S 5 TB | **1612320000** | 10 |
| 6 | STV S 6 TB | **1612350000** | 10 |
| 7 | STV S 7 TB | **1612380000** | 10 |
| 8 | STV S 8 TB | **1612410000** | 10 |
| 9 | STV S 9 TB | **1612440000** | 10 |
| 10 | STV S 10 TB | **1612470000** | 10 |

| Accessories | Page |
|---|---|
| Fixing | integrated in product, 195 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 203, 206 |

## Pin headers STV S SS






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 600 | 600 |
| **Rated current** | A | 32 | 25 | 25 |
| **Clamping range max.** | mm²/AWG | 4.0 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

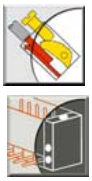
Additional technical data see page 230

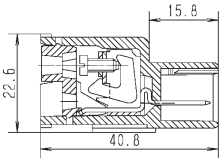
**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | STV S 2 SS | **1611950000** | 10 |
| 3 | STV S 3 SS | **1611980000** | 10 |
| 4 | STV S 4 SS | **1612010000** | 10 |
| 5 | STV S 5 SS | **1612040000** | 10 |
| 6 | STV S 6 SS | **1612070000** | 10 |
| 7 | STV S 7 SS | **1612100000** | 10 |
| 8 | STV S 8 SS | **1612130000** | 10 |
| 9 | STV S 9 SS | **1612160000** | 10 |
| 10 | STV S 10 SS | **1612190000** | 10 |

| Accessories | Page |
|---|---|
| Fixing | integrated in product, 195 |
| Marking | 197 |
| Coding | 199 |
| Miscellaneous | 203, 206 |


## Pin headers STV S TS






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 600 | 600 |
| **Rated current** | A | 22 | 17 | 17 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 14 | 14 |

*Overvoltage category III / Pollution severity 3

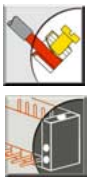
Additional technical data see page 231

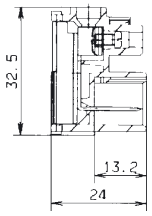
**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | STV S 2 TS | **1612220000** | 10 |
| 3 | STV S 3 TS | **1612250000** | 10 |
| 4 | STV S 4 TS | **1612280000** | 10 |
| 5 | STV S 5 TS | **1612310000** | 10 |
| 6 | STV S 6 TS | **1612340000** | 10 |
| 7 | STV S 7 TS | **1612370000** | 10 |
| 8 | STV S 8 TS | **1612400000** | 10 |
| 9 | STV S 9 TS | **1612430000** | 10 |
| 10 | STV S 10 TS | **1612460000** | 10 |

| Accessories | Page |
|---|---|
| Fixing | integrated in product, 195 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 203, 206 |

## Pin headers STW S SS






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 600 | 600 |
| **Rated current** | A | 28 | 25 | 25 |
| **Clamping range max.** | $mm^2$/AWG | 4.0 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

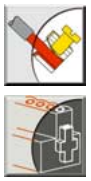
Additional technical data see page 231

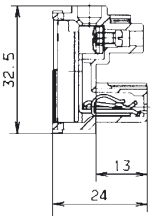
**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | STWS 2 SS | **1612840000** | 10 |
| 3 | STWS 3 SS | **1612850000** | 10 |
| 4 | STWS 4 SS | **1612860000** | 10 |
| 5 | STWS 5 SS | **1612870000** | 10 |
| 6 | STWS 6 SS | **1612880000** | 10 |
| 7 | STWS 7 SS | **1612890000** | 10 |
| 8 | STWS 8 SS | **1612900000** | 10 |
| 9 | STWS 9 SS | **1612910000** | 10 |
| 10 | STWS 10 SS | **1612920000** | 10 |

| Accessories | Page |
|---|---|
| Fixing | integrated in product, 195 |
| Marking | 196, 197 |
| Coding | 199 |
| Miscellaneous | 203, 206 |

## Socket blocks STW S SB






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 500* | 600 | 600 |
| **Rated current** | A | 28 | 25 | 25 |
| **Clamping range max.** | $mm^2$/AWG | 4.0 | 12 | 12 |

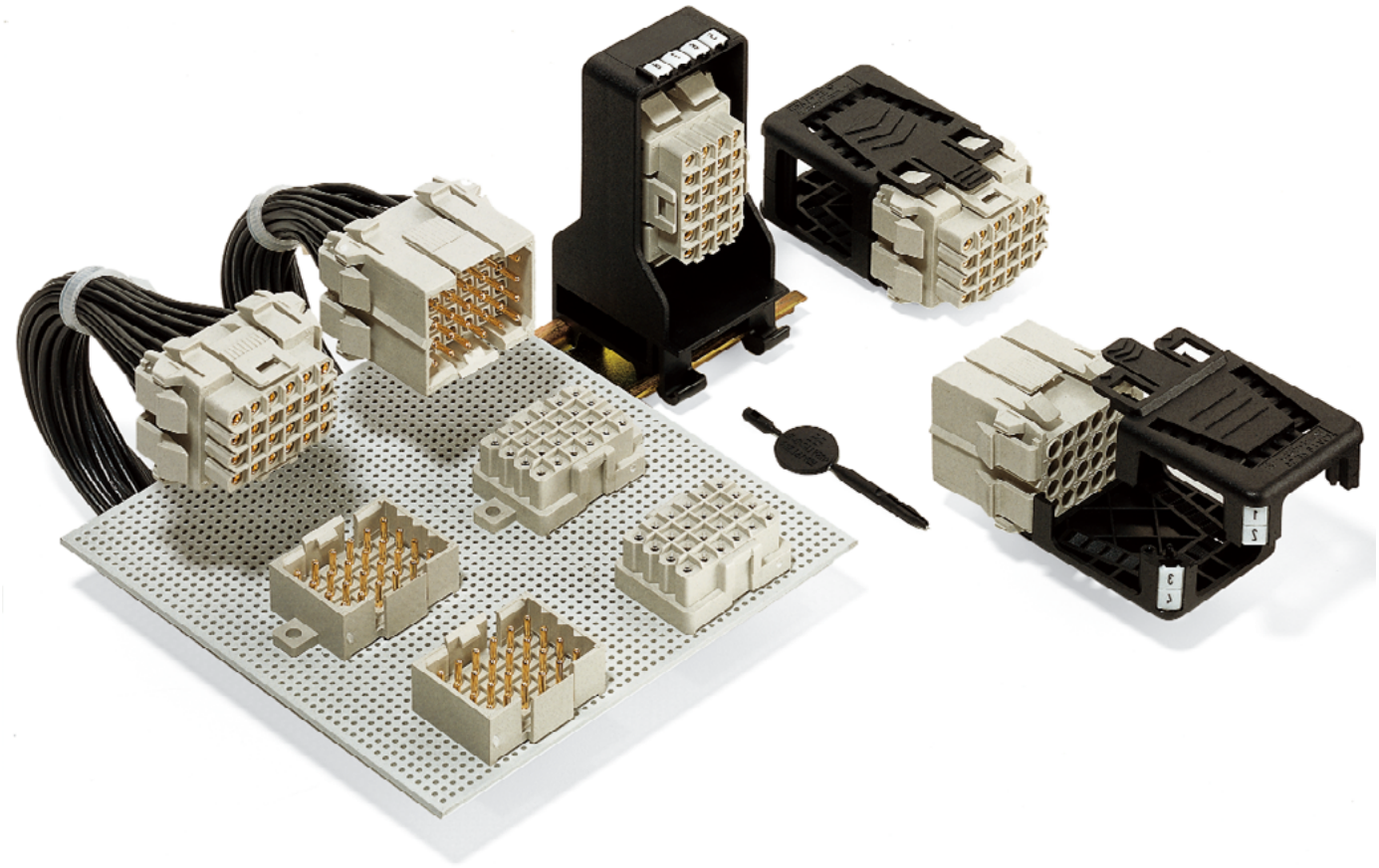
*Overvoltage category III / Pollution severity 3

Additional technical data see page 231

**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 2 | STWS 2 SB | **1612930000** | 10 |
| 3 | STWS 3 SB | **1612940000** | 10 |
| 4 | STWS 4 SB | **1612950000** | 10 |
| 5 | STWS 5 SB | **1612960000** | 10 |
| 6 | STWS 6 SB | **1612970000** | 10 |
| 7 | STWS 7 SB | **1612980000** | 10 |
| 8 | STWS 8 SB | **1612990000** | 10 |
| 9 | STWS 9 SB | **1613000000** | 10 |
| 10 | STWS 10 SB | **1613010000** | 10 |

| Accessories | Page |
|---|---|
| Fixing | integrated in product, 195 |
| Marking | 196, 197 |
| Coding | 199 |
| Miscellaneous | 203, 206 |



## Crimpmate Range - RSV 1.6

The rectangular connector system RSV 1.6 in 5.00 mm pitch guarantees the highest proven contact reliability during strong vibration. Without any screws: When the connector is plugged in, the pin headers and socket blocks lock together and can only be separated when the release levers are activated.

To achieve the high density of connections required, the RSV 1.6 has been designed utilising crimp technology. This connection technique permits the components to be pre-assembled in large batches. Thus, the crimpmate range saves space and combines safe contacts and swift installation.

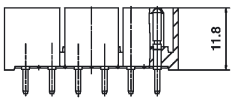
Two crimp contact systems are available for use with the RSV 1.6: GB/GS - is the low cost “fit-for-use” system. CB/CS - is the high-spec, high vibration resistant, high mating cycles option.

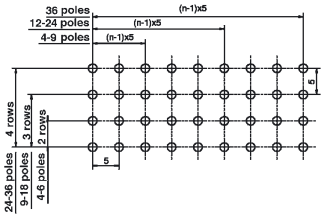
**Product features overview:**

- vibration-resistant due to a high-quality contact system
- integrated fixing flanges for the printed circuit board headers
- locking latches ensure a secure connection of the socket block to the pin header
- multi-row capability provides a high connection density
- protection against incorrect insertion
- large selection of accessories

# Crimpmate Range - RSV 1.6

## Pin headers RSV 1.6 LS




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 250* | 300 | 300 |
| Rated current | A | 10 | 10 | 13 |

*Overvoltage category III / Pollution severity 3

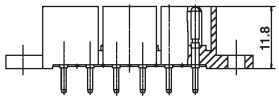
Additional technical data see page 232

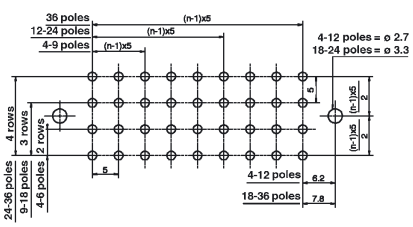
| Solder pin length | 3.2 mm | 4.5 mm | |
|---|---|---|---|
| tin-plated version | | | |
| Colour | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 4 | RSV 1.6 LS4 SN | **1440500000** | **1413500000** | 100 |
| 6 | RSV 1.6 LS6 SN | **1441500000** | **1414500000** | 50 |
| 9 | RSV 1.6 LS9 SN | **1442500000** | **1415500000** | 50 |
| 12 | RSV 1.6 LS12 SN | **1443500000** | **1416500000** | 25 |
| 18 | RSV 1.6 LS18 SN | **1444500000** | **1417500000** | 25 |
| 24 | RSV 1.6 LS24 SN | **1445500000** | **1418500000** | 20 |
| 36 | RSV 1.6 LS36 SN | **1446500000** | **1419500000** | 10 |

| Solder pin length | 3.2 mm | 4.5 mm | |
|---|---|---|---|
| gold-plated version | | | |
| Colour | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 4 | RSV 1.6 LS4 AU | **1440400000** | **1413400000** | 100 |
| 6 | RSV 1.6 LS6 AU | **1441400000** | **1414400000** | 50 |
| 9 | RSV 1.6 LS9 AU | **1442400000** | **1415400000** | 50 |
| 12 | RSV 1.6 LS12 AU | **1443400000** | **1416400000** | 25 |
| 18 | RSV 1.6 LS18 AU | **1444400000** | **1417400000** | 25 |
| 24 | RSV 1.6 LS24 AU | **1445400000** | **1418400000** | 20 |
| 36 | RSV 1.6 LS36 AU | **1446400000** | **1419400000** | 10 |

| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | – |
| Coding | 198 |
| Miscellaneous | – |

## Pin headers RSV 1.6 LSF




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 250* | 300 | 300 |
| Rated current | A | 10 | 10 | 13 |

*Overvoltage category III / Pollution severity 3

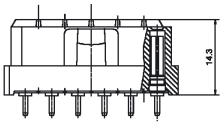
Additional technical data see page 232

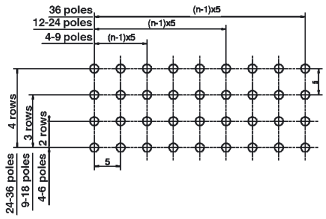
| Solder pin length | 3.2 mm | 4.5 mm | |
|---|---|---|---|
| tin-plated version | | | |
| Colour | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 4 | RSV 1.6 LSF4 SN | **1440900000** | **1413900000** | 100 |
| 6 | RSV 1.6 LSF6 SN | **1441900000** | **1414900000** | 50 |
| 9 | RSV 1.6 LSF9 SN | **1442900000** | **1415900000** | 50 |
| 12 | RSV 1.6 LSF12 SN | **1443900000** | **1416900000** | 25 |
| 18 | RSV 1.6 LSF18 SN | **1444900000** | **1417900000** | 25 |
| 24 | RSV 1.6 LSF24 SN | **1445900000** | **1418900000** | 20 |
| 36 | RSV 1.6 LSF36 SN | **1446900000** | **1419900000** | 10 |

| Solder pin length | 3.2 mm | 4.5 mm | |
|---|---|---|---|
| gold-plated version | | | |
| Colour | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 4 | RSV 1.6 LSF4 AU | **1440800000** | **1413800000** | 100 |
| 6 | RSV 1.6 LSF6 AU | **1441800000** | **1414800000** | 50 |
| 9 | RSV 1.6 LSF9 AU | **1442800000** | **1415800000** | 50 |
| 12 | RSV 1.6 LSF12 AU | **1443800000** | **1416800000** | 25 |
| 18 | RSV 1.6 LSF18 AU | **1444800000** | **1417800000** | 25 |
| 24 | RSV 1.6 LSF24 AU | **1445800000** | **1418800000** | 20 |
| 36 | RSV 1.6 LSF36 AU | **1446800000** | **1419800000** | 10 |

| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | – |
| Coding | 198 |
| Miscellaneous | – |

## Socket blocks RSV 1.6 LB




| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| Rated voltage | V | 250* | 300 | 300 |
| Rated current | A | 10 | 10 | 13 |

*Overvoltage category III / Pollution severity 3

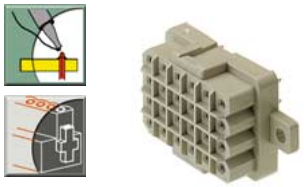
Additional technical data see page 232

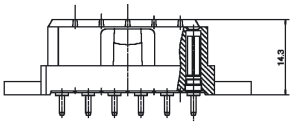
| Solder pin length | 3.2 mm | 4.5 mm | |
|---|---|---|---|
| tin-plated version | | | |
| Colour | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 4 | RSV 1.6 LB4 SN | **1440300000** | **1413300000** | 100 |
| 6 | RSV 1.6 LB6 SN | **1441300000** | **1414300000** | 50 |
| 9 | RSV 1.6 LB9 SN | **1442300000** | **1415300000** | 50 |
| 12 | RSV 1.6 LB12 SN | **1443300000** | **1416300000** | 25 |
| 18 | RSV 1.6 LB18 SN | **1444300000** | **1417300000** | 25 |
| 24 | RSV 1.6 LB24 SN | **1445300000** | **1418300000** | 20 |
| 36 | RSV 1.6 LB36 SN | **1446300000** | **1419300000** | 10 |

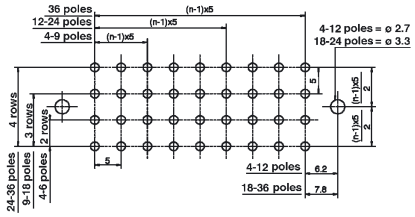
| Solder pin length | 3.2 mm | 4.5 mm | |
|---|---|---|---|
| gold-plated version | | | |
| Colour | | | |
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 4 | RSV 1.6 LB4 AU | **1440200000** | **1413200000** | 100 |
| 6 | RSV 1.6 LB6 AU | **1441200000** | **1414200000** | 50 |
| 9 | RSV 1.6 LB9 AU | **1442200000** | **1415200000** | 50 |
| 12 | RSV 1.6 LB12 AU | **1443200000** | **1416200000** | 25 |
| 18 | RSV 1.6 LB18 AU | **1444200000** | **1417200000** | 25 |
| 24 | RSV 1.6 LB24 AU | **1445200000** | **1418200000** | 20 |
| 36 | RSV 1.6 LB36 AU | **1446200000** | **1419200000** | 10 |

| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | – |
| Coding | 198 |
| Miscellaneous | – |

## Socket blocks RSV 1.6 LBF






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 10 | 10 | 13 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 232

**Solder pin length** **3.2 mm** **4.5 mm**

tin-plated version

**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 4 | RSV 1.6 LBF4 SN | **1440700000** | **1413700000** | 100 |
| 6 | RSV 1.6 LBF6 SN | **1441700000** | **1414700000** | 50 |
| 9 | RSV 1.6 LBF9 SN | **1442700000** | **1415700000** | 50 |
| 12 | RSV 1.6 LBF12 SN | **1443700000** | **1416700000** | 25 |
| 18 | RSV 1.6 LBF18 SN | **1444700000** | **1417700000** | 25 |
| 24 | RSV 1.6 LBF24 SN | **1445700000** | **1418700000** | 20 |
| 36 | RSV 1.6 LBF36 SN | **1446700000** | **1419700000** | 10 |

**Solder pin length** **3.2 mm** **4.5 mm**

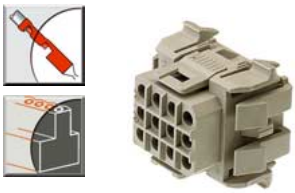
gold-plated version

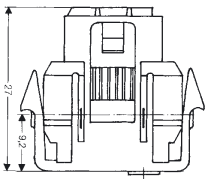
**Colour**

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 4 | RSV 1.6 LBF4 AU | **1440600000** | **1413600000** | 100 |
| 6 | RSV 1.6 LBF6 AU | **1441600000** | **1414600000** | 50 |
| 9 | RSV 1.6 LBF9 AU | **1442600000** | **1415600000** | 50 |
| 12 | RSV 1.6 LBF12 AU | **1443600000** | **1416600000** | 25 |
| 18 | RSV 1.6 LBF18 AU | **1444600000** | **1417600000** | 25 |
| 24 | RSV 1.6 LBF24 AU | **1445600000** | **1418600000** | 20 |
| 36 | RSV 1.6 LBF36 AU | **1446600000** | **1419600000** | 10 |

| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | – |
| Coding | 198 |
| Miscellaneous | – |

## Socket blocks RSV 1.6B






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 320* | 600 | 600 |
| **Rated current** | A | 13 | 10 | 13 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 232

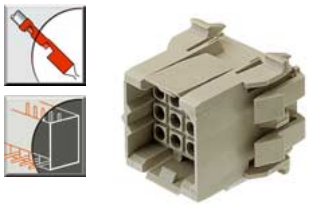
**Colour**

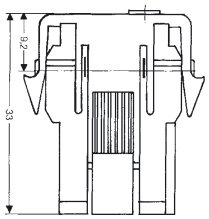
| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 4 | RSV 1.6 B4 | **1413000000** | 25 |
| 6 | RSV 1.6 B6 | **1414000000** | 25 |
| 9 | RSV 1.6 B9 | **1415000000** | 25 |
| 12 | RSV 1.6 B12 | **1416000000** | 25 |
| 18 | RSV 1.6 B18 | **1417000000** | 25 |
| 24 | RSV 1.6 B24 | **1418000000** | 20 |
| 36 | RSV 1.6 B36 | **1419000000** | 10 |

**Suitable contact systems listed on next double page.**

| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | – |
| Coding | 198 |
| Miscellaneous | 203, 206, 207 |

## Pin headers RSV 1.6S






| Technical Data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 320* | 600 | 600 |
| **Rated current** | A | 13 | 10 | 13 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 232

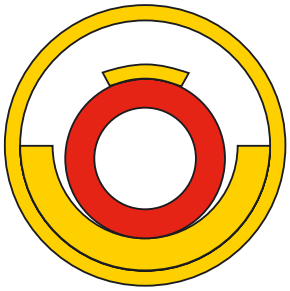
**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 4 | RSV 1.6 S4 | **1413100000** | 25 |
| 6 | RSV 1.6 S6 | **1414100000** | 25 |
| 9 | RSV 1.6 S9 | **1415100000** | 25 |
| 12 | RSV 1.6 S12 | **1416100000** | 25 |
| 18 | RSV 1.6 S18 | **1417100000** | 25 |
| 24 | RSV 1.6 S24 | **1418100000** | 20 |
| 36 | RSV 1.6 S36 | **1419100000** | 10 |

**Suitable contact systems listed on next double page.**

| Accessories | Page |
|---|---|
| Fixing | integrated in product |
| Marking | – |
| Coding | 198 |
| Miscellaneous | 203, 206, 207 |

## Contact system GS/GB



- low cost and reliable contacts
- up to 100 mating cycles (gold-plated version)
- up to 50 mating cycles (tin-plated version)

## Contact system CS/CB

- proven crimp contact design with four defined contact points
- locking latch in upper steel spring for non-slip contact fit
- up to 500 mating cycles (gold-plated version)
- up to 100 mating cycles (tin-plated version)

## Crimp contacts GS/GB

**The contact system GS/GB must not be combined with the CS/CB system!**

Single contacts
**tin-plated version**

| Cable cross-section mm² | AWG | Insulation diameter mm | Type | Description | Cat. No. | Qty. |
|---|---|---|---|---|---|---|
| 0.32…0.5 | 22…20 | 2.0…2.5 | Pin | GS 1.6E 22-20 SnPb | **1629870000** | 250 |
| | | | Socket | GB 1.6E 22-20 SnPb | **1629790000** | 250 |
| 0.75…1.5 | 18…16 | 2.0 …3.5 | Pin | GS 1.6E 18-16 SnPb | **1629860000** | 250 |
| | | | Socket | GB 1.6E 18-16 SnPb | **1629780000** | 250 |

Bandolier
**tin-plated version**

| Description | Cat. No. | Qty. |
|---|---|---|
| GS 1.6R 22-20 SnPb | **1629890000** | 4500 |
| GB 1.6R 22-20 SnPb | **1629810000** | 4500 |
| GS 1.6R 18-16 SnPb | **1629880000** | 4500 |
| GB 1.6R 18-16 SnPbB | **1629800000** | 4500 |

Single contacts
**gold-plated version**

| Cable cross-section mm² | AWG | Insulation diameter mm | Type | Description | Cat. No. | Qty. |
|---|---|---|---|---|---|---|
| 0.32…0.5 | 22…20 | 2.0…2.5 | Pin | GS 1.6E 22-20 AU 0.75 | **1629830000** | 250 |
| | | | Socket | GB 1.6E 22-20 AU 0.75 | **1629750000** | 250 |
| 0.75…1.5 | 18…16 | 2.0 …3.5 | Pin | GS 1.6E 18-16 AU 0.75 | **1629820000** | 250 |
| | | | Socket | GB 1.6E 18-16 AU 0.75 | **1629740000** | 250 |

Bandolier
**gold-plated version**

| Description | Cat. No. | Qty. |
|---|---|---|
| GS 1.6R 22-20 AU 0.75 | **1629850000** | 4500 |
| GB 1.6R 22-20 AU 0.75 | **1629770000** | 4500 |
| GS 1.6R 18-16 AU 0.75 | **1629840000** | 4500 |
| GB 1.6R 18-16 AU 0.75 | **1629760000** | 4500 |

## Crimp contacts CS/CB

**The contact system CS/CB must not be combined with the GS/GB contact system!**

| Cable cross-section mm² | AWG | Insulation diameter mm | Type |
|---|---|---|---|
| 0.14…0.25 | 26…24 | 0.8…1.4 | Pin - standard |
| | | | Pin - long |
| | | | Socket |
| 0.34…0.5 | 22…20 | 1.1…1.8 | Pin - standard |
| | | | Pin - long |
| | | | Socket |
| 0.34…0.5 | 22…20 | 2.0…2.5 | Pin - standard |
| | | | Pin - long |
| | | | Socket |
| 0.75…1.5 | 18…16 | 2.0 …2.5 | Pin - standard |
| | | | Pin - long |
| | | | Socket |
| 0.75…1.5 | 18…16 | 2.0 …3.5 | Pin - standard |
| | | | Pin - long |
| | | | Socket |
| 2.5 | 14…12 | 2.8 …3.5 | Pin - standard |
| | | | Pin - long |
| | | | Socket |
| 2.5 | 14…12 | 2.8 …4.2 | Pin - standard |
| | | | Pin - long |
| | | | Socket |

Single contacts
**tin-plated version**

| Description | Cat. No. | Qty. |
|---|---|---|
| CS 1.6E 26-24 SN I1.4 | **1421600000** | 250 |
| CSL 1.6E 26-24 SN I1.4 | **1421700000*** | 250 |
| CB 1.6E 26-24 SN I1.4 | **1421900000** | 250 |
| CS 1.6E 22-20 SN I1.8 | **1423600000** | 250 |
| CSL 1.6E 22-20 SN I1.8 | **1423700000*** | 250 |
| CB 1.6E 22-20 SN I1.8 | **1423900000** | 250 |
| CS 1.6E 22-20 SN I2.5 | **1425600000** | 250 |
| CSL 1.6E 22-20 SN I2.5 | **1425700000*** | 250 |
| CB 1.6E 22-20 SN I2.5 | **1425900000** | 250 |
| CS 1.6E 18-16 SN I2.5 | **1427600000** | 250 |
| CSL 1.6E 18-16 SN I2.5 | **1427700000*** | 250 |
| CB 1.6E 18-16 SN I2.5 | **1427900000** | 250 |
| CS 1.6E 18-16 SN I3.5 | **1582270000** | 250 |
| CSL 1.6E 18-16 SN I3.5 | **1582350000*** | 250 |
| CB 1.6E 18-16 SN I3.5 | **1582430000** | 250 |
| CS 1.6E 14-12 SN I3.5 | **1429600000** | 250 |
| CSL 1.6E 14-12 SN I3.5 | **1429700000*** | 250 |
| CB 1.6E 14-12 SN I3.5 | **1429900000** | 250 |
| CS 1.6E 14-12 SN I4.2 | **1582310000** | 250 |
| CSL 1.6E 14-12 SN I4.2 | **1582390000*** | 250 |
| CB 1.6E 14-12 SN I4.2 | **1582470000** | 250 |

* The long pins can be used with the standard pins to provide a leading-earth facility.

Bandolier
**tin-plated version**

| Description | Cat. No. | Qty. |
|---|---|---|
| CS 1.6R 26-24 SN I1.4 | **1421500000** | 5000 |
| CSL 1.6R 26-24 SN I1.4 | **1565900000*** | 5000 |
| CB 1.6R 26-24 SN I1.4 | **1421800000** | 5000 |
| CS 1.6R 22-20 SN I1.8 | **1423500000** | 5000 |
| CSL 1.6R 22-20 SN I1.8 | **1565870000*** | 5000 |
| CB 1.6R 22-20 SN I1.8 | **1423800000** | 5000 |
| CS 1.6R 22-20 SN I2.5 | **1425500000** | 5000 |
| CSL 1.6R 22-20 SN I2.5 | **1565840000*** | 5000 |
| CB 1.6R 22-20 SN I2.5 | **1425800000** | 5000 |
| CS 1.6R 18-16 SN I2.5 | **1427500000** | 5000 |
| CSL 1.6R 18-16 SN I2.5 | **1565810000*** | 5000 |
| CB 1.6R 18-16 SN I2.5 | **1427800000** | 5000 |
| CS 1.6R 18-16 SN I3.5 | **1582280000** | 3000 |
| CSL 1.6R 18-16 SN I3.5 | **1582360000*** | 3000 |
| CB 1.6R 18-16 SN I3.5 | **1582440000** | 3000 |
| CS 1.6R 14-12 SN I3.5 | **1429500000** | 3000 |
| CSL 1.6R 14-12 SN I3.5 | **1565780000*** | 3000 |
| CB 1.6R 14-12 SN I3.5 | **1429800000** | 3000 |
| CS 1.6R 14-12 SN I4.2 | **1582320000** | 3000 |
| CSL 1.6R 14-12 SN I4.2 | **1582400000*** | 3000 |
| CB 1.6R 14-12 SN I4.2 | **1582480000** | 3000 |

* The long pins can be used with the standard pins to provide a leading-earth facility.



| Cable cross-section mm² | AWG | Insulation diameter mm | Type |
|---|---|---|---|
| 0.14…0.25 | 26…24 | 0.8…1.4 | Pin - standard |
| | | | Pin - long |
| | | | Socket |
| 0.34…0.5 | 22…20 | 1.1…1.8 | Pin - standard |
| | | | Pin - long |
| | | | Socket |
| 0.34…0.5 | 22…20 | 2.0…2.5 | Pin - standard |
| | | | Pin - long |
| | | | Socket |
| 0.75…1.5 | 18…16 | 2.0 …2.5 | Pin - standard |
| | | | Pin - long |
| | | | Socket |
| 0.75…1.5 | 18…16 | 2.0 …3.5 | Pin - standard |
| | | | Pin - long |
| | | | Socket |
| 2.5 | 14…12 | 2.8 …3.5 | Pin - standard |
| | | | Pin - long |
| | | | Socket |
| 2.5 | 14…12 | 2.8 …4.2 | Pin - standard |
| | | | Pin - long |
| | | | Socket |

Single contacts
**gold-plated version**

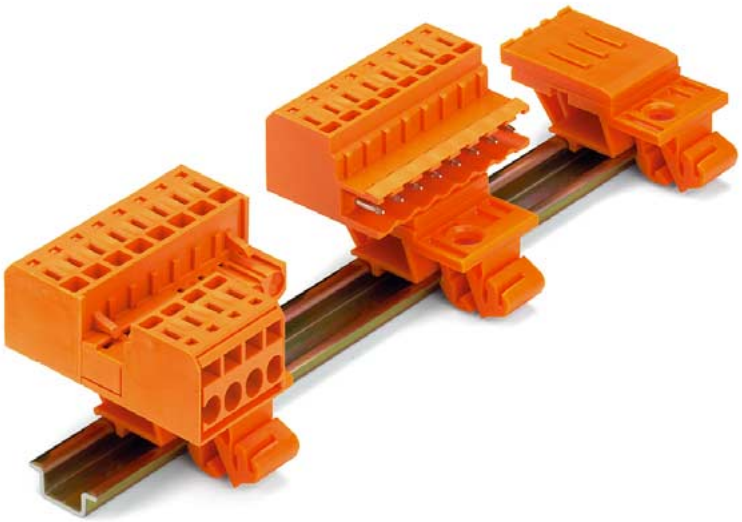
| Description | Cat. No. | Qty. |
|---|---|---|
| CS 1.6E 26-24 AU 0.75I1.4 | **1420600000** | 250 |
| CSL 1.6E 26-24 AU 0.75 I1.4 | **1420700000*** | 250 |
| CB 1.6 26-24 AU 0.75 I1.4 | **1420900000** | 250 |
| CS 1.6E 22-20 AU 0.75 I1.8 | **1422600000** | 250 |
| CSL 1.6E 22-20 AU 0.75 I1.8 | **1422700000*** | 250 |
| CB 1.6E 22-20 AU 0.75 I1.8 | **1422900000** | 250 |
| CS 1.6E 22-20 AU 0.75 I2.5 | **1424600000** | 250 |
| CSL 1.6E 22-20 AU 0.75 I2.5 | **1424700000*** | 250 |
| CB 1.6E 22-20 AU 0.75 I2.5 | **1424900000** | 250 |
| CS 1.6E 18-16 AU 0.75 I2.5 | **1426600000** | 250 |
| CSL 1.6E 18-16 AU 0.75 I2.5 | **1426700000*** | 250 |
| CB 1.6E 18-16 AU 0.75 I2.5 | **1426900000** | 250 |
| CS 1.6E 18-16 AU 0.75 I3.5 | **1582250000** | 250 |
| CSL 1.6E 18-16 AU 0.75 I3.5 | **1582330000*** | 250 |
| CB 1.6E 18-16 AU 0.75 I3.5 | **1582410000** | 250 |
| CS 1.6E 14-12 AU 0.75 I3.5 | **1428600000** | 250 |
| CSL 1.6E 14-12 AU 0.75 I3.5 | **1428700000*** | 250 |
| CB 1.6E 14-12 AU 0.75 I3.5 | **1428900000** | 250 |
| CS 1.6E 14-12 AU 0.75 I4.2 | **1582290000** | 250 |
| CSL 1.6E 14-12 AU 0.75 I4.2 | **1582370000*** | 250 |
| CB 1.6E 14-12 AU 0.75 I4.2 | **1582450000** | 250 |

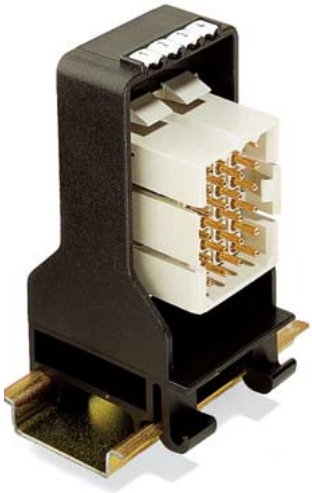
* The long pins can be used with the standard pins to provide a leading-earth facility.

Bandolier
**gold-plated version**

| Description | Cat. No. | Qty. |
|---|---|---|
| CS 1.6R 26-24 AU 0.75 I1.4 | **1420500000** | 5000 |
| CSL 1.6R 26-24 AU 0.75 I1.4 | **1565880000*** | 5000 |
| CB 1.6R 26-24 AU 0.75 I1.4 | **1420800000** | 5000 |
| CS 1.6R 22-20 AU 0.75 I1.8 | **1422500000** | 5000 |
| CSL 1.6R 22-20 AU 0.75 I1.8 | **1565850000*** | 5000 |
| CB 1.6R 22-20 AU 0.75 I1.8 | **1422800000** | 5000 |
| CS 1.6R 22-20 AU 0.75 I2.5 | **1424500000** | 5000 |
| CSL 1.6R 22-20 AU 0.75 I2.5 | **1565820000*** | 5000 |
| CB 1.6R 22-20 AU 0.75 I2.5 | **1424800000** | 5000 |
| CS 1.6R 18-16 AU 0.75 I2.5 | **1426500000** | 5000 |
| CSL 1.6R 18-16 AU 0.75 I2.5 | **1565790000*** | 5000 |
| CB 1.6R 18-16 AU 0.75 I2.5 | **1426800000** | 5000 |
| CS 1.6R 18-16 AU 0.75 I3.5 | **1582260000** | 3000 |
| CSL 1.6R 18-16 AU 0.75 I3.5 | **1582340000*** | 3000 |
| CB 1.6R 18-16 AU 0.75 I3.5 | **1582420000** | 3000 |
| CS 1.6R 14-12 AU 0.75 I3.5 | **1428500000** | 3000 |
| CSL 1.6R 14-12 AU 0.75 I3.5 | **1565760000*** | 3000 |
| CB 1.6R 14-12 AU 0.75 I3.5 | **1428800000** | 3000 |
| CS 1.6R 14-12 AU 0.75 I4.2 | **1582300000** | 3000 |
| CSL 1.6R 14-12 AU 0.75 I4.2 | **1582380000*** | 3000 |
| CB 1.6R 14-12 AU 0.75 I4.2 | **1582460000** | 3000 |

* The long pins can be used with the standard pins to provide a leading-earth facility.





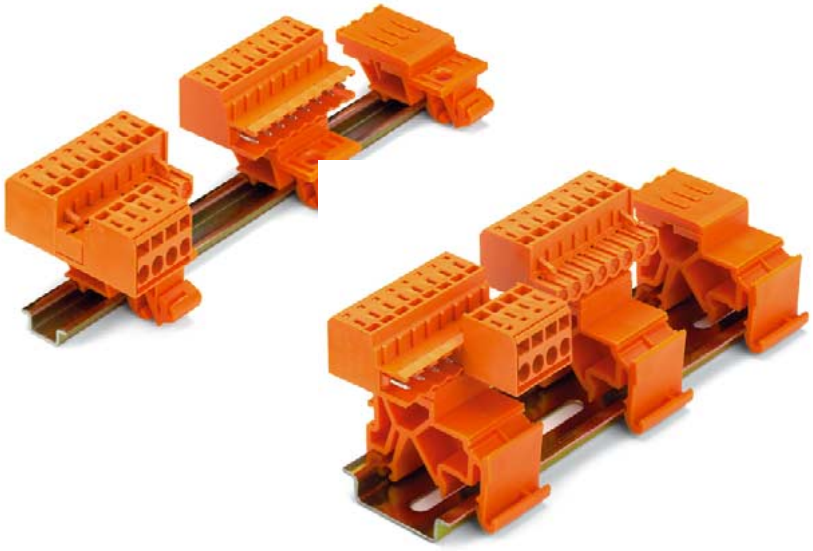
## Other Applications

If you wish to use our connectors in non-pcb applications, you will find a selection of solutions for mounting rails, through-panel connections, socket adaptors, and more information on Through-Hole-Reflow (SMT) process on the following pages.

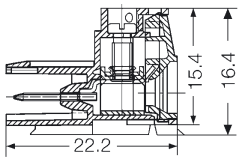
# For the Mounting Rail


We at Weidmueller are the specialists for connector systems that are used in switchgear cabinets due to our wide selection of mounting rail solutions:

- Our connectors are installed on the mounting rails by using snap-on feet.
- The selection of the snap-on foot depends on the mounting rail type used (see table).
- Finger safety or back hand safety (according to VDE 0106) can be achieved on the mounting rail. Depending on which safety level is required, various connection technologies can than be selected.
- The selection of the plug-in connector element offers a free choice of the connection methods (e.g. screw or tension clamp).



## Pin plugs SLS 5.08T


| Technical data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 223

| | | Cat. No. snap-on foot for TS 15 | Cat. No. snap-on foot for TS 32/TS 35 | Description on page |
|---|---|---|---|---|
| Omnimate Range | **finger safety** BLZF 5.08  | **1760080000** | **1760070000** | **130** |
| | BLIDC 5.08  | **1760080000** | **1760070000** | **131** |
| | **back hand safety** SLZF 5.08  | **1760080000** | **1760070000** | **138-139** |
| | SLS 5.08T  | **1571730000** | **1576460000** | **176-177** |
| Unimate Range | SLAS 5.08  | **1571730000** | **1576460000** | **177** |

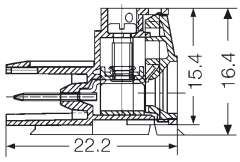
**Two snap-on feet must be used for connectors of 9 poles or more.**
The BLZ 5.08, too, may be supplied for mounting rail installation (on requets).

**Colour**  

| Poles | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | – | – | – | – |
| 3 | – | – | – | – |
| 4 | SLS 5.08/4T | **1627390000** | **1645460000** | 100 |
| 5 | SLS 5.08/5T | **1627400000** | **1645470000** | 50 |
| 6 | SLS 5.08/6T | **1627410000** | **1645480000** | 50 |
| 7 | SLS 5.08/7T | **1627420000** | **1645490000** | 50 |
| 8 | SLS 5.08/8T | **1627430000** | **1645500000** | 50 |
| 9 | SLS 5.08/9T | **1627440000** | **1645510000** | 50 |
| 10 | SLS 5.08/10T | **1627450000** | **1645520000** | 50 |
| 11 | SLS 5.08/11T | **1627460000** | **1645530000** | 50 |
| 12 | SLS 5.08/12T | **1627470000** | **1645540000** | 50 |
| 13 | SLS 5.08/13T | **1627480000** | **1645550000** | 50 |
| 14 | SLS 5.08/14T | **1627490000** | **1645560000** | 50 |
| 15 | SLS 5.08/15T | **1627500000** | **1645570000** | 50 |
| 16 | SLS 5.08/16T | **1627510000** | **1645580000** | 50 |
| 17 | SLS 5.08/17T | **1627520000** | **1645590000** | 20 |
| 18 | SLS 5.08/18T | **1627530000** | **1645600000** | 20 |
| 19 | SLS 5.08/19T | **1627540000** | **1645610000** | 20 |
| 20 | SLS 5.08/20T | **1627550000** | **1645620000** | 20 |
| 21 | SLS 5.08/21T | **1627560000** | **1645630000** | 20 |
| 22 | SLS 5.08/22T | **1627570000** | **1645640000** | 20 |
| 23 | SLS 5.08/23T | **1627580000** | **1645650000** | 20 |
| 24 | SLS 5.08/24T | **1627590000** | **1645660000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 198, 199 |
| Miscellaneous | 205, 206 |


## Pin plugs SLS 5.08TB


| Technical data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

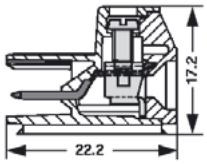
*Overvoltage category III / Pollution severity 3

Additional technical data see page 223

| Colour | | | | |
|---|---|---|---|---|
| Poles | Type | Cat. No. | Cat. No. | Qty. |
| 2 | – | – | – | – |
| 3 | – | – | – | – |
| 4 | SLS 5.08/4TB | **1627600000** | **1645670000** | 100 |
| 5 | SLS 5.08/5TB | **1627610000** | **1645680000** | 50 |
| 6 | SLS 5.08/6TB | **1627620000** | **1645690000** | 50 |
| 7 | SLS 5.08/7TB | **1627630000** | **1645700000** | 50 |
| 8 | SLS 5.08/8TB | **1627640000** | **1645710000** | 50 |
| 9 | SLS 5.08/9TB | **1627650000** | **1645720000** | 50 |
| 10 | SLS 5.08/10TB | **1627660000** | **1645730000** | 50 |
| 11 | SLS 5.08/11TB | **1627670000** | **1645740000** | 50 |
| 12 | SLS 5.08/12TB | **1627680000** | **1645750000** | 50 |
| 13 | SLS 5.08/13TB | **1627690000** | **1645760000** | 50 |
| 14 | SLS 5.08/14TB | **1627700000** | **1645770000** | 50 |
| 15 | SLS 5.08/15TB | **1627710000** | **1645780000** | 50 |
| 16 | SLS 5.08/16TB | **1627720000** | **1645790000** | 50 |
| 17 | SLS 5.08/17TB | **1627730000** | **1645800000** | 20 |
| 18 | SLS 5.08/18TB | **1627740000** | **1645810000** | 20 |
| 19 | SLS 5.08/19TB | **1627750000** | **1645820000** | 20 |
| 20 | SLS 5.08/20TB | **1627760000** | **1645830000** | 20 |
| 21 | SLS 5.08/21TB | **1627770000** | **1645840000** | 20 |
| 22 | SLS 5.08/22TB | **1627780000** | **1645850000** | 20 |
| 23 | SLS 5.08/23TB | **1627790000** | **1645860000** | 20 |
| 24 | SLS 5.08/24TB | **1627800000** | **1645870000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 194 |
| Marking | 196 |
| Coding | 189, 199 |
| Miscellaneous | 205, 206 |

## Pin plugs SLAS 5.08


| Technical data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 10 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

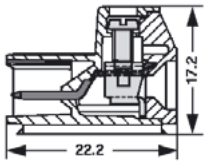
*Overvoltage category III / Pollution severity 3

Additional technical data see page 229

| Colour | | |
|---|---|---|
| Poles | Type | Cat. No. | Qty. |
| 4 | SLAS 4 | **1571740000** | 100 |
| 6 | SLAS 6 | **1571750000** | 50 |
| 8 | SLAS 8 | **1571760000** | 50 |
| 10 | SLAS 10 | **1571770000** | 50 |
| 12 | SLAS 12 | **1571780000** | 50 |
| 16 | SLAS 16 | **1571790000** | 50 |
| 20 | SLAS 20 | **1571800000** | 20 |
| 24 | SLAS 24 | **1571810000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | – |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 205, 206 |

## Pin plugs SLAS 5.08B


| Technical data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 10 | 10 | 10 |
| **Clamping range max.** | $mm^2$/AWG | 2.5 | 12 | 12 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 229

| Colour | | |
|---|---|---|
| Poles | Type | Cat. No. | Qty. |
| 4 | SLAS 4B | **1571820000** | 100 |
| 6 | SLAS 6B | **1571830000** | 50 |
| 8 | SLAS 8B | **1571840000** | 50 |
| 10 | SLAS 10B | **1571850000** | 50 |
| 12 | SLAS 12B | **1571860000** | 50 |
| 16 | SLAS 16B | **1571880000** | 50 |
| 20 | SLAS 20B | **1571890000** | 20 |
| 24 | SLAS 24B | **1571900000** | 20 |

| Accessories | Page |
|---|---|
| Fixing | 194 |
| Marking | 196 |
| Coding | 199 |
| Miscellaneous | 205, 206 |

# For the Mounting Rail

## STV S

Powermate Range

## RSV 1.6

Crimpmate Range

**Snap-on foot for TS 35**

| Type | Cat. No. | Qty. |
|---|---|---|
| Mounting foot Mofu 35 | **0646210000** | 20 |

**Snap-on foot for TS 35**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 4 | RSV 1.6 RF 4 | **1582910000** | 25 |
| 6 | RSV 1.6 RF 6 | **1582920000** | 25 |
| 9 | RSV 1.6 RF 9 | **1582930000** | 25 |
| 12 | RSV 1.6 RF 12 | **1582940000** | 25 |
| 18 | RSV 1.6 RF 18 | **1582950000** | 25 |
| 24 | RSV 1.6 RF 24 | **1582960000** | 20 |
| 36 | RSV 1.6 RF 36 | **1582970000** | 20 |

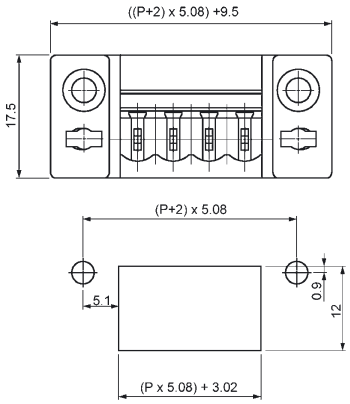
**Snap-on foot for TS 35/15/2.3**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 4 | RSV 1.6 RF 4 | **1690110000** | 10 |
| 6 | RSV 1.6 RF 6 | **1690120000** | 10 |
| 9 | RSV 1.6 RF 9 | **1690130000** | 10 |
| 12 | RSV 1.6 RF 12 | **1690140000** | 10 |
| 18 | RSV 1.6 RF 18 | **1690150000** | 10 |
| 24 | RSV 1.6 RF 24 | **1690160000** | 10 |
| 36 | RSV 1.6 RF 36 | **1690170000** | 10 |

## SLDF with locking latches

Omnimate Range

5.08




| Technical data | | VDE | UL | CSA |
|---|---|---|---|---|
| **Rated voltage** | V | 250* | 300 | 300 |
| **Rated current** | A | 12 | 10 | 10 |

*Overvoltage category III / Pollution severity 3

Additional technical data see page 215

**Colour**

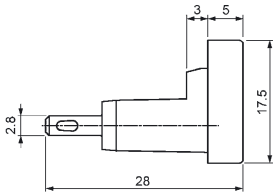
| Poles | Type | L | Cat. No. | Qty. |
|---|---|---|---|---|
| 2 | SLDF5.08 L/F 2 | 13.4 | **1599130000** | 100 |
| 3 | SLDF5.08 L/F 3 | 18.4 | **1599140000** | 100 |
| 4 | SLDF5.08 L/F 4 | 23.5 | **1599150000** | 50 |
| 5 | SLDF5.08 L/F 5 | 28.6 | **1599160000** | 50 |
| 6 | SLDF5.08 L/F 6 | 33.7 | **1599170000** | 50 |
| 7 | SLDF5.08 L/F 7 | 38.8 | **1599180000** | 50 |
| 8 | SLDF5.08 L/F 8 | 43.8 | **1599190000** | 50 |
| 9 | SLDF5.08 L/F 9 | 48.9 | **1599200000** | 50 |
| 10 | SLDF5.08 L/F 10 | 54.0 | **1599210000** | 50 |
| 11 | SLDF5.08 L/F 11 | 59.1 | **1599220000** | 50 |
| 12 | SLDF5.08 L/F 12 | 64.2 | **1599230000** | 50 |
| 13 | SLDF5.08 L/F 13 | 69.2 | **1599240000** | 50 |
| 14 | SLDF5.08 L/F 14 | 74.3 | **1599250000** | 50 |
| 15 | SLDF5.08 L/F 15 | 79.4 | **1599260000** | 50 |
| 16 | SLDF5.08 L/F 16 | 84.5 | **1599270000** | 50 |

Locking latches are not included in the delivery. Suitable for solder or 2.8 mm push-on tab connection.

## Locking latches SLDF VR

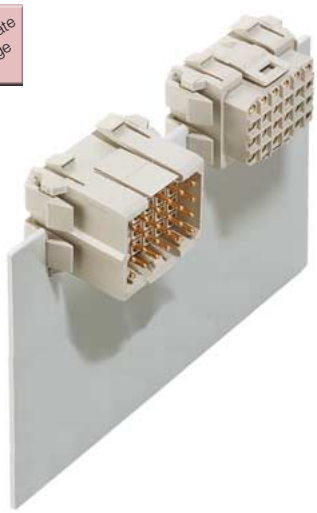
**Colour**

| Type | Cat. No. | Qty. |
|---|---|---|
| SLDF VR SW | **1599120000** | 100 |



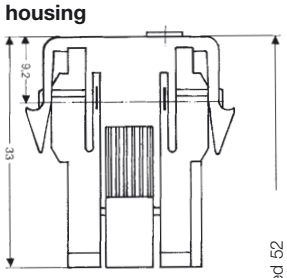

## RSV 1.6

Crimpmate Range

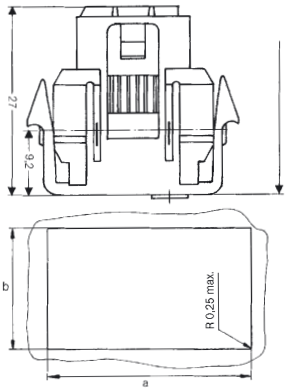


- integrated locking latches provide a firm hold in the panel wall
- the products are listed on the pages 170-171

### Pin housing




### Socket housing

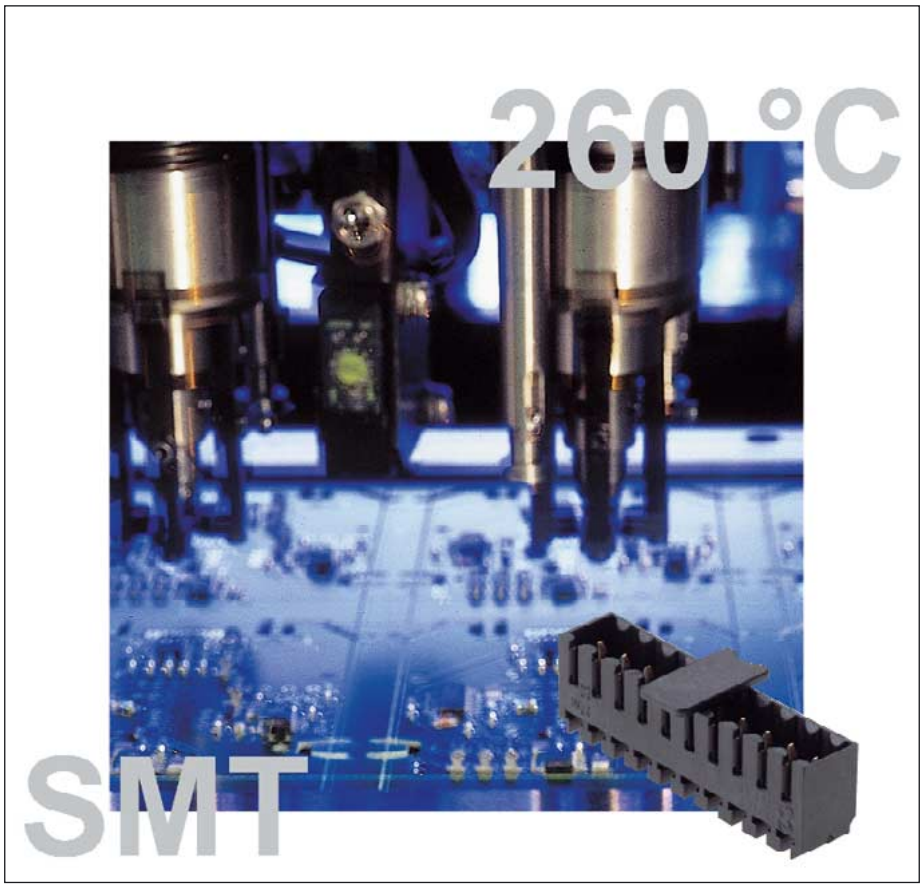



panel cut-out for RSV 1.6 housing
wall thickness 1.5…2.0 mm

| Poles | dimension a (mm) | dimension b (mm) |
|---|---|---|
| | +0.3 | +0.3 |
| | -0.0 | -0.0 |
| 4 | 20.3 | 17.8 |
| 6 | 25.1 | 18.1 |
| 9 | 25.1 | 18.1 |
| 12 | 30.0 | 24.0 |
| 18 | 40.5 | 24.0 |
| 24 | 40.5 | 28.3 |
| 36 | 55.5 | 28.3 |


## SL-SMT

### … reduces costs in the production process




SL-SMT are the high temperature resistant pin headers specially developed to be compatible with reflow production processes. Existing pcb connector headers cannot withstand the high temperatures experienced in reflow soldering - up to 260 °C. The SL-SMT has been designed using LCP (Liquid Crystal Polymer) which is stable at these high temperatures.

In addition, convential assembly of pcb modules requires both Wave Soldering for standard THT (Through-Hole-Technology) components like pcb connector headers; and then Reflow Soldering for the SMT (Surface-Mount-Technology) components. With the SL-SMT, which uses THR technology, the Wave Solder operation is not needed. The shorter THR solder pins offer the flexibility of SMT components but achieve a mechanical strength of 10x that of “Gull Wing” SMT components. This additional strength is of great importance for pcb connectors where connection operations put strain onto standard SMT solder joints.

The SL-SMT is not only suitable for the latest soldering techniques, it has also been designed to be compatible with standard automatic “Pick-and-Place” machines. “Tape-on-Reel” and “Tray” packaging enable fully automatic component placement of the 90° (horizontal) and 180° (vertical) pin headers. These products are available in the standard open-ended, closed-ended and flanged versions, and mate with any of the female socket connectors of our Minimate and Omnimate Range in the pitch 3.50 mm, 5.00 and 5.08 mm.

Advantages:

- up to 30% reduction of production costs
- stable at 260 °C - compatible for all reflow soldering processes
- Through-Hole-Reflow pins gives 10x greater strength than “Gull Wing” SMT pins
- shorter pins enable double-sided placement
- Tape-on-Reel or Tray packaging for automatic “Pick-and-Place”

## Machine oriented packaging “Tape-on-Reel”

The pin headers for the 90° and 180° versions of the S2L-SMT 3.5 are available in “Tape-on-Reel” for automatic component placement.

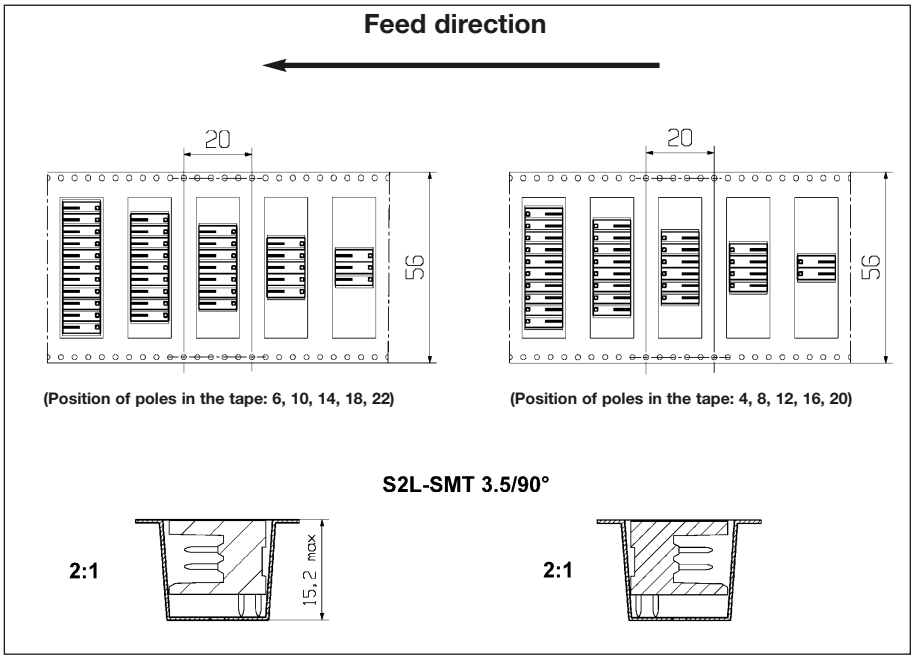
The reels are anti-static, have a diameter of 330 mm, and are designed for all conventionally available feeders.

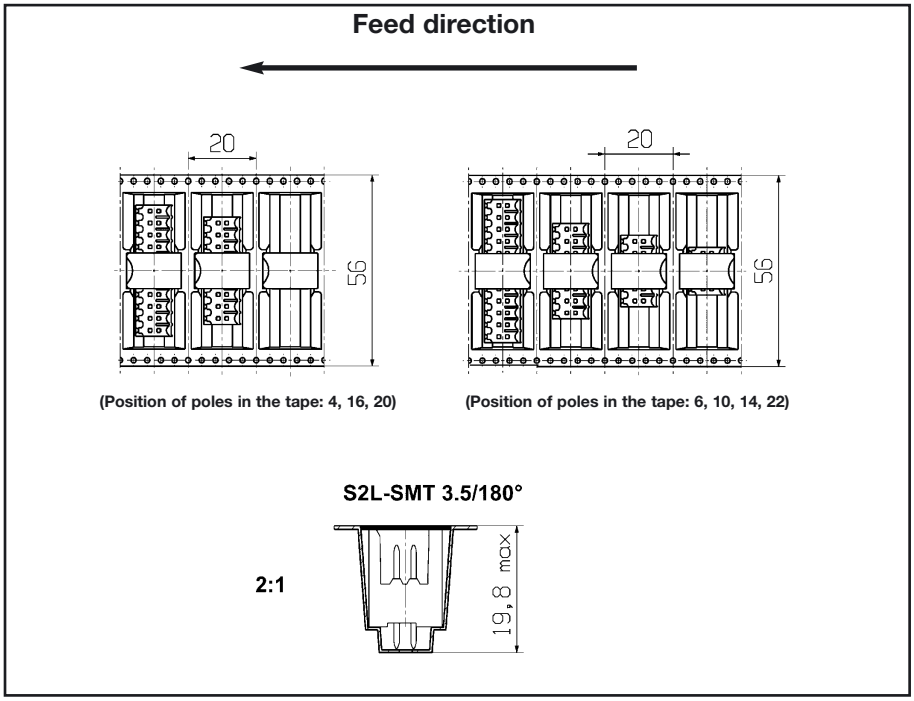
The tapes used conform to the standard IEC 60286-3 and are made of anti-static, black polystyrene. The tape is covered with a protective foil.

A high temperature resistant Pick-and-Place Pad is located in the middle of the pin header for automatic gripping of the straight pin header S2L-SMT 3.5/180°. This Pick-and-Place Pad is included in the “Tape-on-Reel” packaging.

The angled S2L-SMT 3.5/90° pin header is positioned so that no Pick-and-Place Pad is needed for automatic gripping.

**Reel dimensions and position of pin headers**

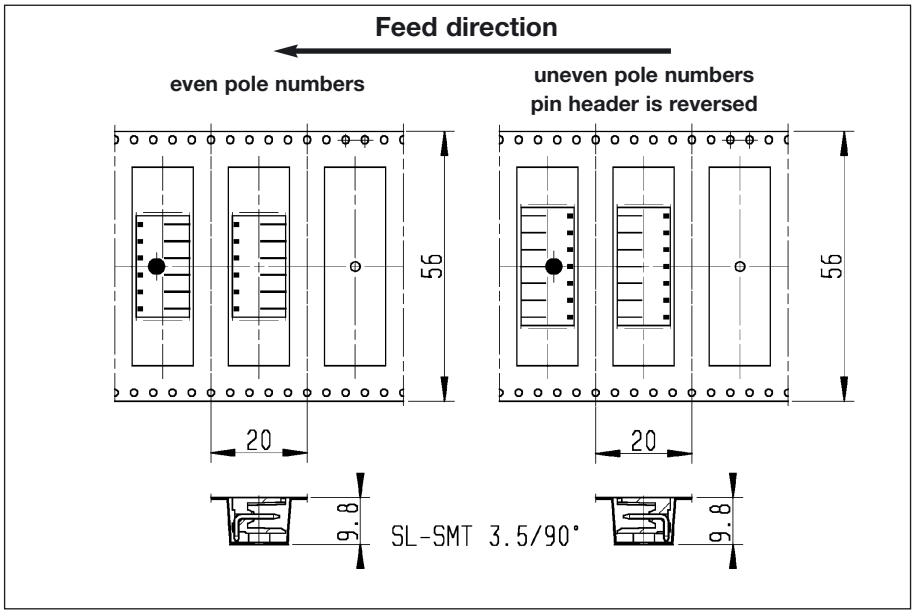


## Machine oriented packaging

## “Tape-on-Reel”

**Reel dimensions and position of pin headers**



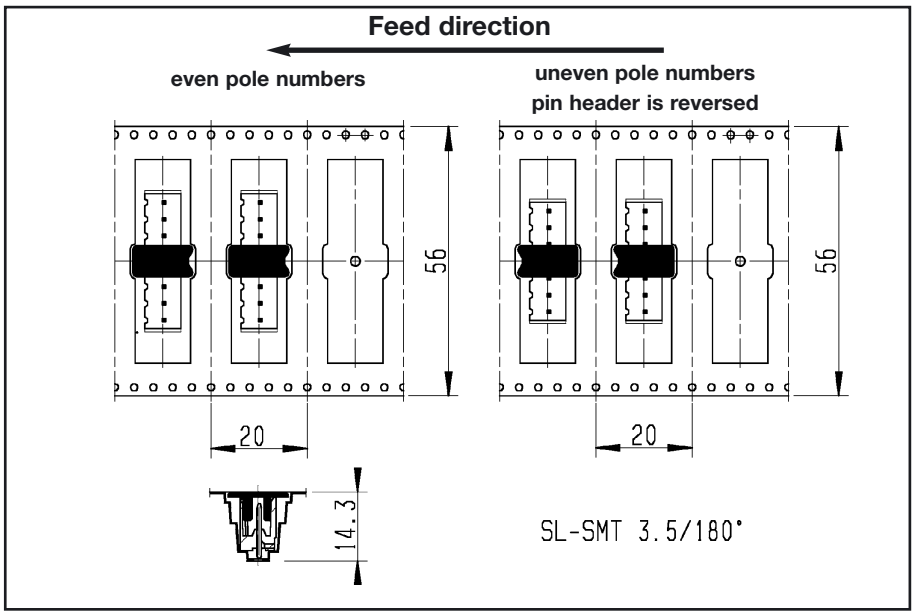

The pin headers for the 90° and 180° versions of the SL-SMT 3.5 are available in “Tape-on-Reel” for automatic component placement.

The reels are anti-static, have a diameter of 330 mm, and are designed for all conventionally available feeders.

The tapes used conform to the standard IEC 60286-3 and are made of anti-static, black polystyrene. The tape is covered with a protective foil.

A high temperature resistant Pick-and-Place Pad is located in the middle of the pin header for automatic gripping of the straight pin header SL-SMT 3.5/180°. This Pick-and-Place Pad is included in the “Tape-on-Reel” packaging.

The angled SL-SMT 3.5/90° pin header is positioned so that no Pick-and-Place Pad is needed for automatic gripping.



## Machine oriented packaging "Tray"

The trays are adapted to the SL-SMT 3.5 pin headers and are based on the standard EN 60286-5. The tray material consists of black anti-static polystyrene. For transport, the trays are covered with transparent foil.

A high temperature resistant Pick-and-Place Pad is placed in the middle of the pin header for automatic gripping of the straight pin header SL-SMT 3.5/180° using a vacuum pipette.

This pad in included in the tray packaging. The angled pin header SL-SMT 3.5/90° is conceived to ensure that no Pick-and-Place Pad is needed for automatic gripping.

### Tray dimensions and position of pin header SL-SMT 3.5

The optimum positioning points for the vacuum pipette depend on the length of the connectors (closed or flange version).

In the tray drawing, we have marked these points with Start X and Step X for the X axis with reference to the example of an SL-SMT 3.5/24/90G (closed version without flange).

The following table indicates the dimensions for the X and Y axes for the different pole numbers and versions.

To facilitate adjustment on the machine, the label shows the necessary dimension in short form.

### Tray dimesnions SL-SMT 3.5/90° and 180° closed version

**X-values 90°**

| Poles | Start X/mm[1)] | Step X/mm | Number Step X |
|---|---|---|---|
| 2 | 13.80 | 16.40 | 17 |
| 3 | 13.80 | 16.40 | 17 |
| 4 | 16.10 | 17.50 | 15 |
| 5 | 17.90 | 21.00 | 12 |
| 6 | 19.60 | 24.50 | 10 |
| 7 | 21.40 | 28.00 | 9 |
| 8 | 23.10 | 31.50 | 8 |
| 9 | 24.90 | 35.00 | 7 |
| 10 | 26.60 | 38.50 | 6 |
| 11 | 28.40 | 42.00 | 5 |
| 12 | 30.10 | 45.50 | 5 |
| 13 | 31.90 | 49.00 | 4 |
| 14 | 33.60 | 52.50 | 4 |
| 15 | 35.40 | 56.00 | 4 |
| 16 | 37.10 | 59.50 | 3 |
| 17 | 38.90 | 63.00 | 3 |
| 18 | 40.60 | 66.50 | 3 |
| 19 | 42.40 | 70.00 | 3 |
| 20 | 44.10 | 73.50 | 2 |
| 21 | 45.90 | 77.00 | 2 |
| 22 | 47.60 | 80.50 | 2 |
| 23 | 49.40 | 84.00 | 2 |
| 24 | 51.50 | 87.50 | 2 |

**Y-values 90°**

| Poles | Start Y/mm[1)] | Step Y/mm | Number Step Y |
|---|---|---|---|
| 2 | 19.50 | 20.00 | 5 |
| 3 | 20.00 | 20.00 | 5 |
| 4-24 | 19.80 | 20.00 | 5 |

**X-values 180°**

| Polzahl | Start X/mm[1)] | Step X/mm | Anzahl Step X |
|---|---|---|---|
| 2 | 13.20 | 16.40 | 17 |
| 3 | 14.20 | 16.40 | 17 |
| 4 | 15.90 | 17.50 | 15 |
| 5 | 17.70 | 21.00 | 12 |
| 6 | 19.40 | 24.50 | 10 |
| 7 | 21.20 | 28.00 | 9 |
| 8 | 22.90 | 31.50 | 8 |
| 9 | 24.70 | 35.00 | 7 |
| 10 | 26.40 | 38.50 | 6 |
| 11 | 28.20 | 42.00 | 5 |
| 12 | 29.90 | 45.50 | 5 |
| 13 | 31.70 | 49.00 | 4 |
| 14 | 33.40 | 52.50 | 4 |
| 15 | 35.20 | 56.00 | 4 |
| 16 | 36.90 | 59.50 | 3 |
| 17 | 38.70 | 63.00 | 3 |
| 18 | 40.40 | 66.50 | 3 |
| 19 | 42.20 | 70.00 | 3 |
| 20 | 43.90 | 73.50 | 2 |
| 21 | 45.70 | 77.00 | 2 |
| 22 | 47.40 | 80.50 | 2 |
| 23 | 49.20 | 84.00 | 2 |
| 24 | 50.90 | 87.50 | 2 |

**Y-values 180°**

| Poles | Start Y/mm[1)] | Step Y/mm | Number Step Y |
|---|---|---|---|
| 2 | 17.70 | 20.00 | 5 |
| 3 | 19.20 | 20.00 | 5 |
| 4-24 | 18.90 | 20.00 | 5 |

[1)] The start values are only reference values and must be re-checked when automatic placement machine is set-up!

### Tray dimesnions SL-SMT 3.5/90° and 180° flange version

**X-values 90°**

| Poles | Start X/mm[1)] | Step X/mm | Number Step X |
|---|---|---|---|
| 2 | 16.10 | 17.50 | 15 |
| 3 | 17.90 | 21.00 | 12 |
| 6 | 19.60 | 24.50 | 10 |
| 7 | 21.40 | 28.00 | 9 |
| 8 | 23.10 | 31.50 | 8 |
| 9 | 24.90 | 35.00 | 7 |
| 10 | 26.60 | 38.50 | 6 |
| 11 | 28.40 | 42.00 | 5 |
| 12 | 30.10 | 45.50 | 5 |
| 13 | 31.90 | 49.00 | 4 |
| 14 | 33.60 | 52.50 | 4 |
| 15 | 35.40 | 56.00 | 4 |
| 16 | 37.10 | 59.50 | 3 |
| 17 | 38.90 | 63.00 | 3 |
| 18 | 40.60 | 66.50 | 3 |
| 19 | 42.40 | 70.00 | 3 |
| 20 | 44.10 | 73.50 | 2 |
| 21 | 45.90 | 77.00 | 2 |
| 22 | 47.60 | 80.50 | 2 |
| 23 | 49.40 | 84.00 | 2 |
| 24 | 51.50 | 87.50 | 2 |
| 23 | 52.90 | 91.00 | 2 |
| 24 | 54.60 | 94.50 | 2 |

**Y-values 90°**

| Poles | Start Y/mm[1)] | Step Y/mm | Number Step Y |
|---|---|---|---|
| 2 | 19.50 | 20.00 | 5 |
| 3 | 20.00 | 20.00 | 5 |
| 4-24 | 19.80 | 20.00 | 5 |

**X-values 180°**

| Poles | Start X/mm[1)] | Step X/mm | Number Step X |
|---|---|---|---|
| 2 | 15.90 | 17.50 | 15 |
| 3 | 17.70 | 21.00 | 12 |
| 4 | 19.40 | 24.50 | 10 |
| 5 | 21.20 | 28.00 | 9 |
| 6 | 22.90 | 31.50 | 8 |
| 7 | 24.70 | 35.00 | 7 |
| 8 | 26.40 | 38.50 | 6 |
| 9 | 28.20 | 42.00 | 5 |
| 10 | 29.90 | 45.50 | 5 |
| 11 | 31.70 | 49.00 | 4 |
| 12 | 33.40 | 52.50 | 4 |
| 13 | 35.20 | 56.00 | 4 |
| 14 | 36.90 | 59.50 | 3 |
| 15 | 38.70 | 63.00 | 3 |
| 16 | 40.40 | 66.50 | 3 |
| 17 | 42.20 | 70.00 | 3 |
| 18 | 43.90 | 73.50 | 2 |
| 19 | 45.70 | 77.00 | 2 |
| 20 | 47.40 | 80.50 | 2 |
| 21 | 49.20 | 84.00 | 2 |
| 22 | 50.90 | 87.50 | 2 |
| 23 | 52.70 | 91.00 | 2 |
| 24 | 54.40 | 94.50 | 2 |

**Y-values 180°**

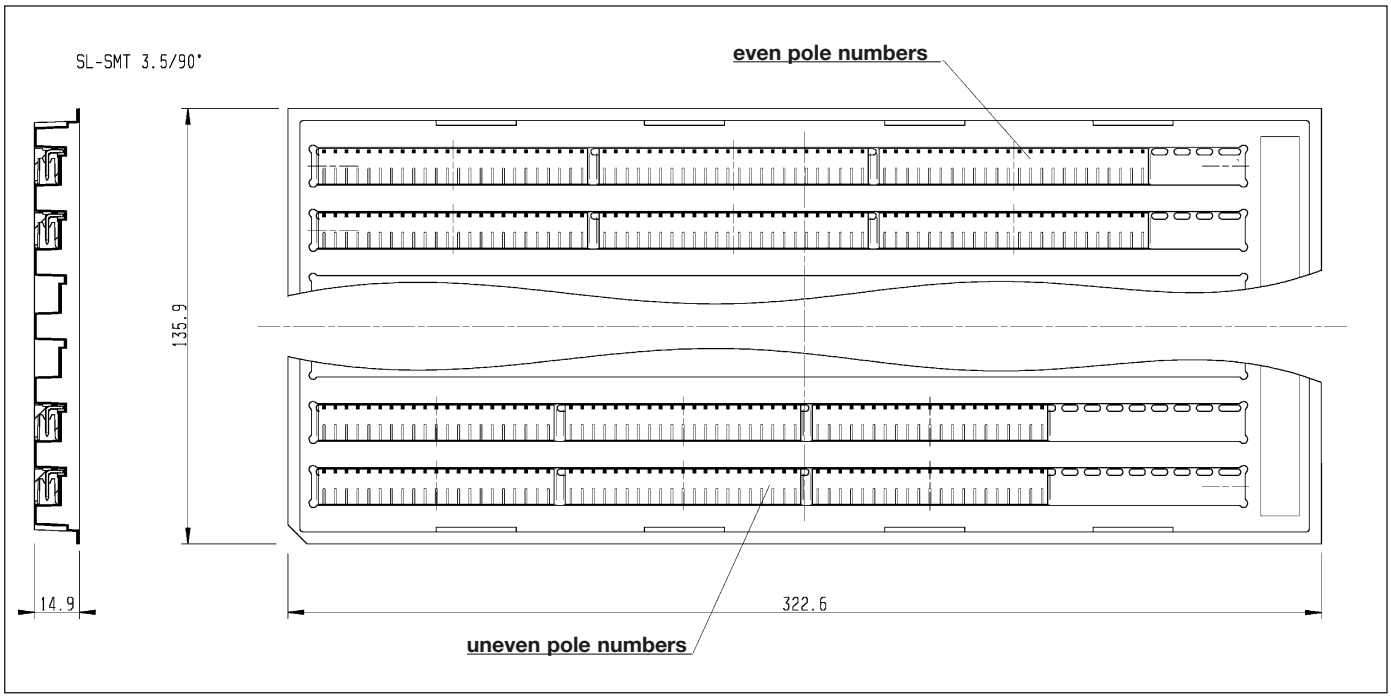
| Poles | Start Y/mm[1)] | Step Y/mm | Number Step Y |
|---|---|---|---|
| 2 | 17.70 | 20.00 | 5 |
| 3 | 19.20 | 20.00 | 5 |
| 4-24 | 18.90 | 20.00 | 5 |

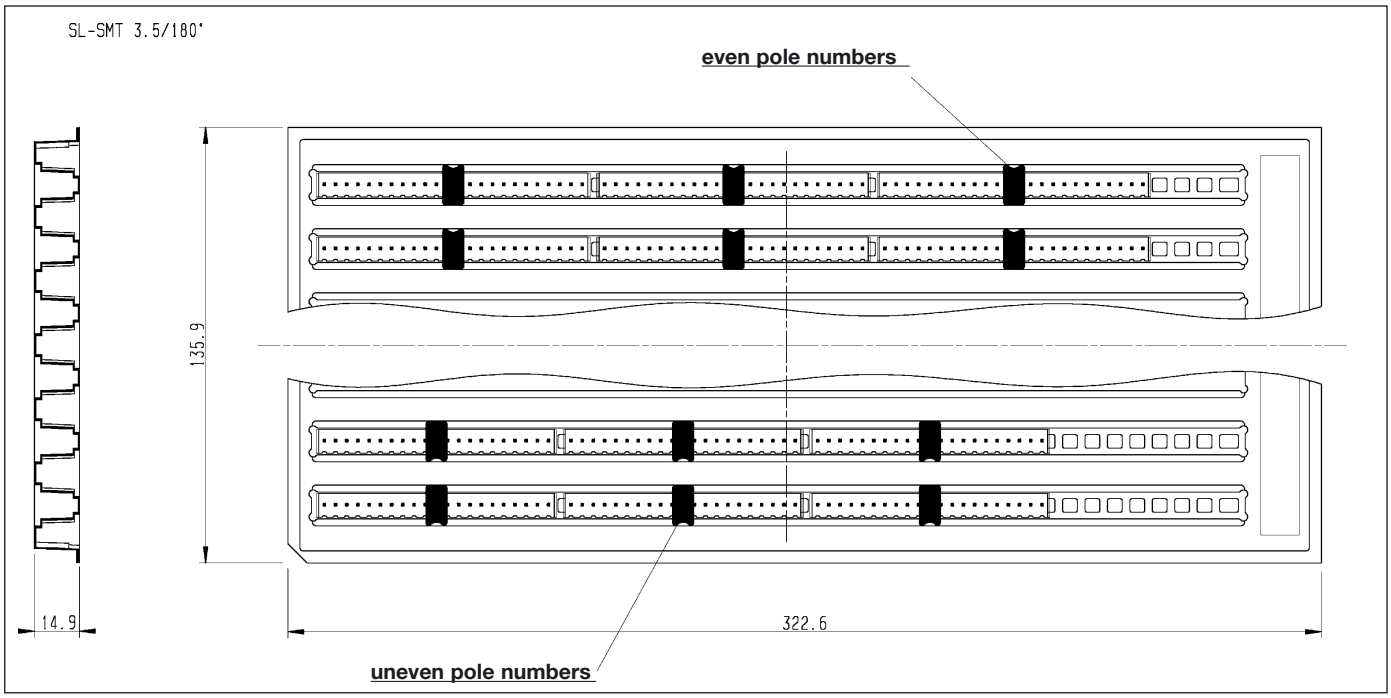
[1)] The start values are only reference values and must be re-checked when automatic placement machine is set-up!

## Machine oriented packaging

## “Tray”

### Tray dimensions and position of pin headers SL-SMT 3.5




## User preparation of the SL-SMT 3.5 in the “Tray”

For user preparation of the SL-SMT 3.5 in the “Tray”, we also offer all components separately.

### Empty Tray

| Type | Description | Cat. No. | Qty. |
|---|---|---|---|
| Tray SL-SMT 3.5/90 | for SL-SMT 3.5/4…24/90G and SL-SMT 3.5/2…24/90LF | **1772100000** | 1 |
| Tray SL-SMT 3.5/180 | for SL-SMT 3.5/4…24/180G and SL-SMT 3.5/2…24/180LF | **1772150000** | 1 |
| PPP-SL-SMT 3.5/180 | Pick-and-Place-Pad for SL-SMT 3.5/2…24/180, SL-SMT 3.5/4…24/180G and SL-SMT 3.5/2…24/180LF | **1762240000** | 100 |

## Machine oriented packaging “Tape-on-Reel”

The pin headers for the 90° and 180° versions of the SL-SMT 5.00/5.08 are available in “Tape-on-Reel” for automatic component placement.

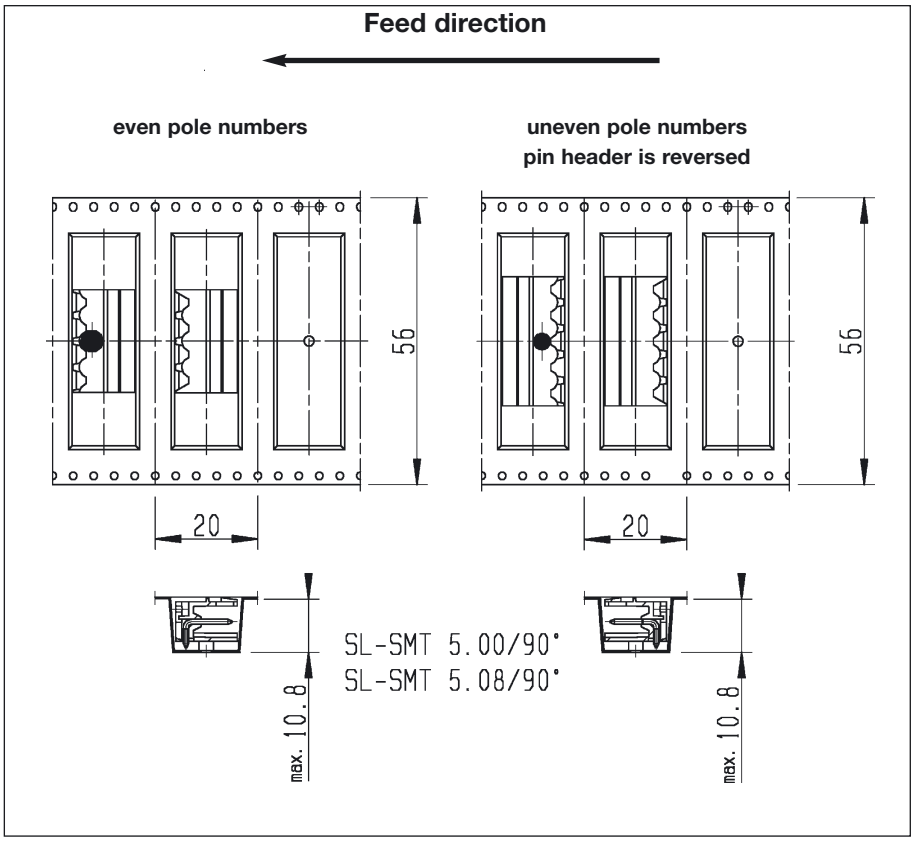
The reels are anti-static, have a diameter of 330 mm, and are designed for all conventionally available feeders.

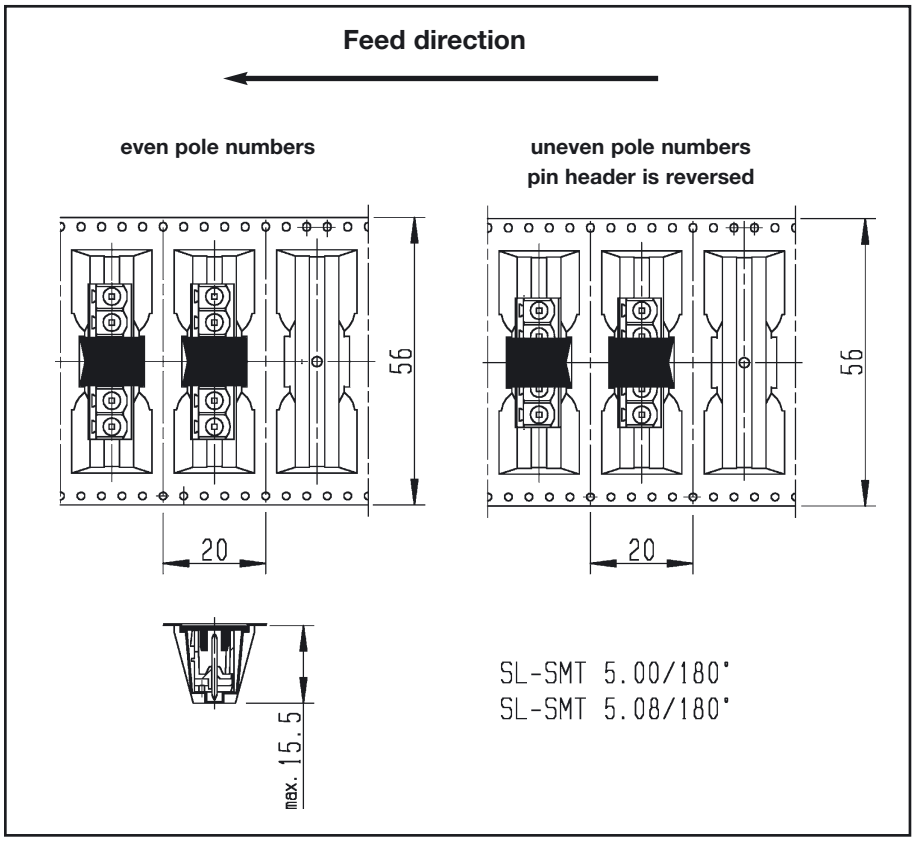
The tapes used conform to the standard IEC 60286-3 and are made of anti-static, black polystyrene. The tape is covered with a protective foil.

A high temperature resistant Pick-and-Place pad is located in the middle of the pin headers for automatic gripping of the straight pin headers SL-SMT 5.00/180° and SL-SMT 5.08/180°. This Pick-and-Place pad is included in the “Tape-on-Reel” packaging.

The angled SL-SMT 5.00/90° and SL-SMT 5.08/90° pin headers are positioned so that no Pick-and-Place pad is needed for automatic gripping.

**Reel dimensions and position of pin headers**



## Machine oriented packaging “Tray”

The optimum positioning points for the vacuum pipette depend on the length of the connectors (open, closed or flange). In the tray drawing, we have marked these points with Start X and Step X for the X axis with reference to the example of an SL-SMT 5.08/12/90 without a flange. The following tables indicates the dimensions for the X and Y axes for the different pole numbers and versions.

The trays are adapted to the pin headers SL-SMT 5.08 and are based on the standard EN 60286-5. The tray material consists of black anti-static polystyrene. For transport, the trays are covered with a transparent foil.

A high temperature resistant Pick-and-Place pad is placed in the middle of the pin header for automatic gripping of the straight pin header SL-SMT 5.08/180° using a vacuum pipette. This pad is included in the tray packaging.

The angled pin header SL-SMT 5.08/90° is conceived to ensure that no Pick-and-Place pad is needed for automatic gripping.

### Tray dimensions SL-SMT 5.08/90° and 180° open and closed version

**X-values 90°**

| Poles | Start X/mm[1)] | Step X/mm | Number Step X |
|---|---|---|---|
| – | – | – | – |
| – | – | – | – |
| 4 | 24.30 | 25.40 | 10 |
| 5 | 26.80 | 30.48 | 8 |
| 6 | 29.40 | 35.56 | 7 |
| 7 | 31.90 | 40.64 | 6 |
| 8 | 34.40 | 45.72 | 5 |
| 9 | 37.00 | 50.80 | 4 |
| 10 | 39.50 | 55.88 | 4 |
| 11 | 42.10 | 60.96 | 3 |
| 12 | 44.60 | 66.04 | 3 |
| 13 | 47.10 | 71.12 | 3 |
| 14 | 49.70 | 76.20 | 2 |
| 15 | 52.20 | 81.28 | 2 |
| 16 | 54.80 | 86.36 | 2 |
| 17 | 57.30 | 91.44 | 2 |
| 18 | 59.80 | 96.52 | 1 |
| 19 | 62.40 | 101.60 | 1 |
| 20 | 64.90 | 106.68 | 1 |
| 21 | 67.50 | 111,76 | 1 |
| 22 | 70.00 | 116.84 | 1 |
| 23 | 72.50 | 121.92 | 1 |
| 24 | 75.10 | 127.00 | 1 |

**Y-values 90°**

| Start Y/mm[1)] | Step Y/mm | Number Step Y |
|---|---|---|
| 20.30 | 20.00 | 5 |

**X-values 180°**

| Poles | Start X/mm[1)] | Step X/mm | Number Step X |
|---|---|---|---|
| – | – | – | – |
| – | – | – | – |
| 4 | 19.80 | 25.40 | 10 |
| 5 | 22.30 | 30.48 | 8 |
| 6 | 24.80 | 35.56 | 7 |
| 7 | 27.40 | 40.64 | 6 |
| 8 | 29.90 | 45.72 | 5 |
| 9 | 32.50 | 50.80 | 4 |
| 10 | 35.00 | 55.88 | 4 |
| 11 | 37.50 | 60.96 | 3 |
| 12 | 40.10 | 66.04 | 3 |
| 13 | 42.60 | 71.12 | 3 |
| 14 | 45.20 | 76.20 | 2 |
| 15 | 47.70 | 81.28 | 2 |
| 16 | 50.20 | 86.36 | 2 |
| 17 | 52.80 | 91.44 | 2 |
| 18 | 55.30 | 96.52 | 1 |
| 19 | 57.90 | 101.60 | 1 |
| 20 | 60.40 | 106.68 | 1 |
| 21 | 62.90 | 111.76 | 1 |
| 22 | 65.50 | 116.84 | 1 |
| 23 | 68.00 | 121.92 | 1 |
| 24 | 70.60 | 127.00 | 1 |

**Y-values 180°**

| Start Y/mm[1)] | Step Y/mm | Number Step Y |
|---|---|---|
| 18.00 | 20.00 | 5 |

[1)] The start values are only reference values and must be re-checked when automatic placement machine is set-up!

### Tray dimensions SL-SMT 5.08/90° and 180° flange version

**X-values 90°**

| Poles | Start X/mm[1)] | Step X/mm | Number Step X |
|---|---|---|---|
| 2 | 24.30 | 25.40 | 10 |
| 3 | 26.80 | 30.48 | 8 |
| 4 | 29.40 | 35.56 | 7 |
| 5 | 31.90 | 40.64 | 6 |
| 6 | 34.40 | 45.72 | 5 |
| 7 | 37.00 | 50.80 | 4 |
| 8 | 39.50 | 55.88 | 4 |
| 9 | 42.10 | 60.96 | 3 |
| 10 | 44.60 | 66.04 | 3 |
| 11 | 47.10 | 71.12 | 3 |
| 12 | 49.70 | 76.20 | 2 |
| 13 | 52.20 | 81.28 | 2 |
| 14 | 54.80 | 86.36 | 2 |
| 15 | 57.30 | 91.44 | 2 |
| 16 | 59.80 | 96.52 | 1 |
| 17 | 62.40 | 101.60 | 1 |
| 18 | 64.90 | 106.68 | 1 |
| 19 | 67.50 | 111,76 | 1 |
| 20 | 70.00 | 116.84 | 1 |
| 21 | 72.50 | 121.92 | 1 |
| 22 | 75.10 | 127.00 | 1 |
| 23 | 77.60 | 132.08 | 1 |
| 24 | 80.20 | 137.16 | 1 |

**Y-values 90°**

| Start Y/mm[1)] | Step Y/mm | Number Step Y |
|---|---|---|
| 20.30 | 20.00 | 5 |

**X-values 180°**

| Poles | Start X/mm[1)] | Step X/mm | Number Step X |
|---|---|---|---|
| 2 | 19.80 | 25.40 | 10 |
| 3 | 22.30 | 30.48 | 8 |
| 4 | 24.80 | 35.56 | 7 |
| 5 | 27.40 | 40.64 | 6 |
| 6 | 29.90 | 45.72 | 5 |
| 7 | 32.50 | 50.80 | 4 |
| 8 | 35.00 | 55.88 | 4 |
| 9 | 37.50 | 60.96 | 3 |
| 10 | 40.10 | 66.04 | 3 |
| 11 | 42.60 | 71.12 | 3 |
| 12 | 45.20 | 76.20 | 2 |
| 13 | 47.70 | 81.28 | 2 |
| 14 | 50.20 | 86.36 | 2 |
| 15 | 52.80 | 91.44 | 2 |
| 16 | 55.30 | 96.52 | 1 |
| 17 | 57.90 | 101.60 | 1 |
| 18 | 60.40 | 106.68 | 1 |
| 19 | 62.90 | 111.76 | 1 |
| 20 | 65.50 | 116.84 | 1 |
| 21 | 68.00 | 121.92 | 1 |
| 22 | 70.60 | 127.00 | 1 |
| 23 | 73.10 | 132.08 | 1 |
| 24 | 75.60 | 137.16 | 1 |

**Y-values 180°**

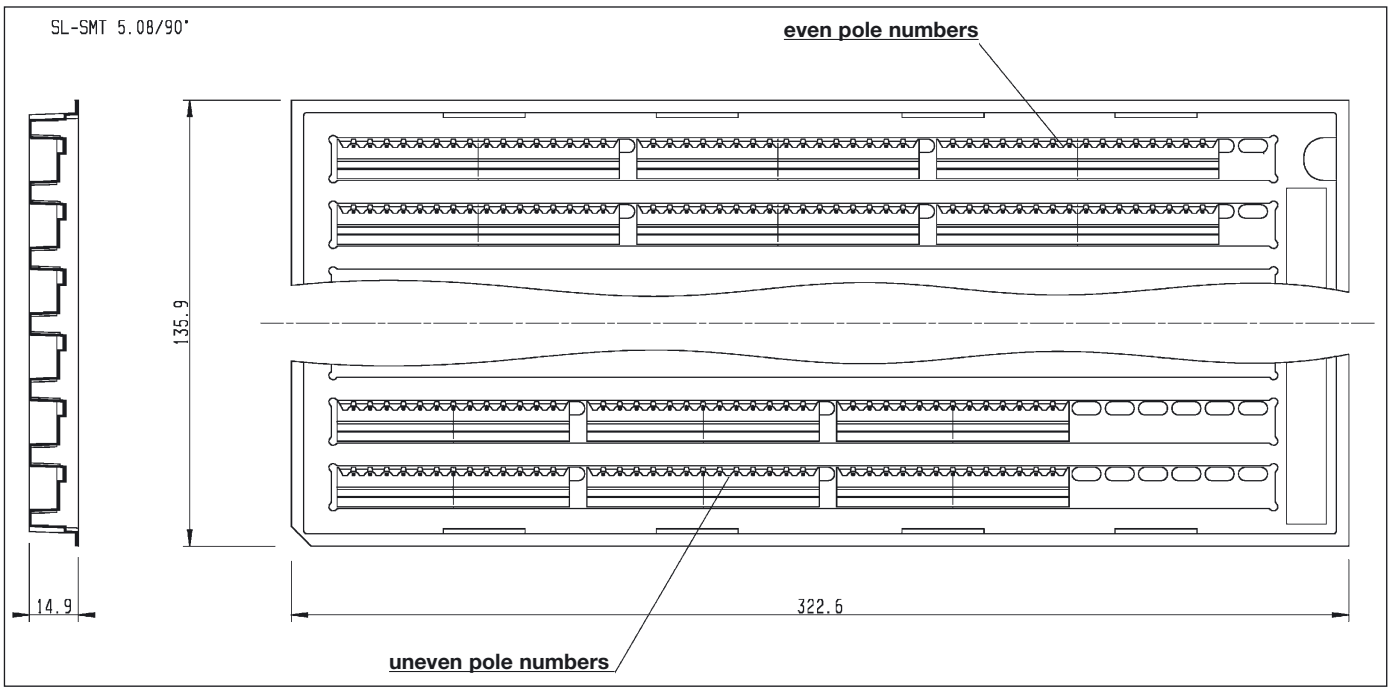
| Start Y/mm[1)] | Step Y/mm | Number Step Y |
|---|---|---|
| 18.00 | 20.00 | 5 |

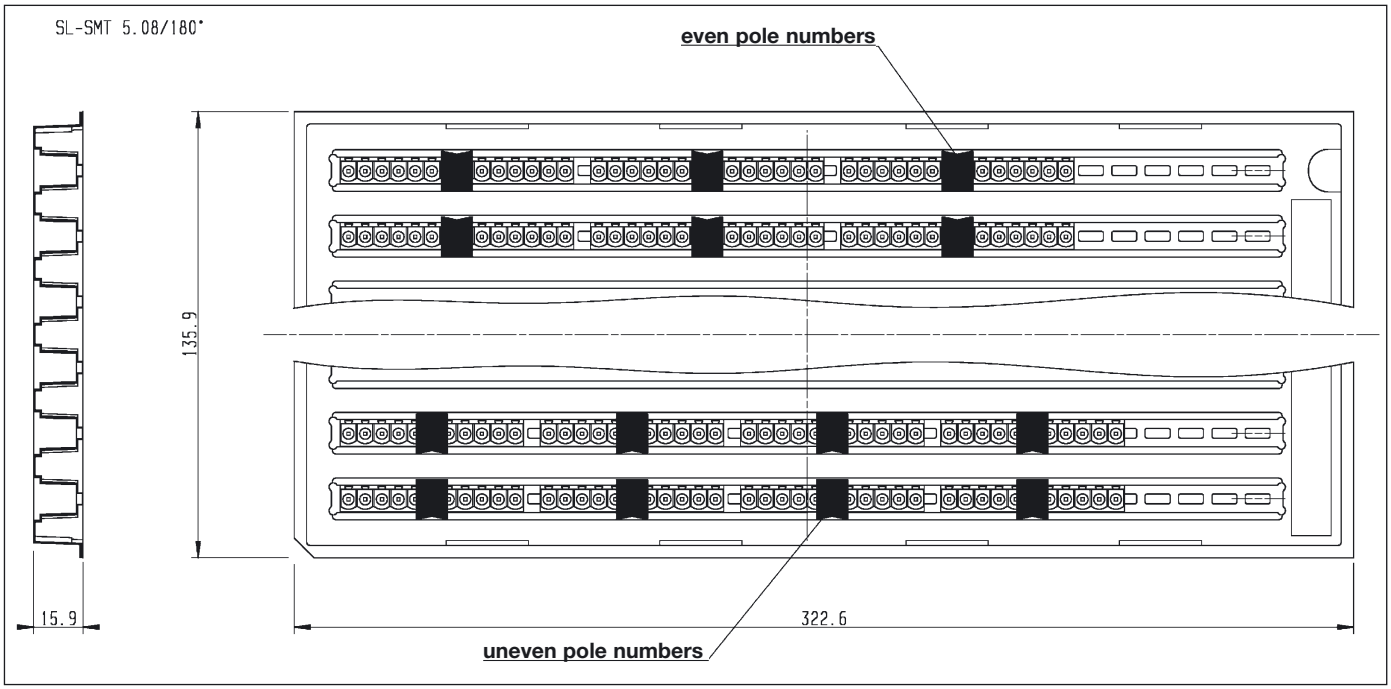
[1)] The start values are only reference values and must be re-checked when automatic placement machine is set-up!

## Machine oriented packaging

### “Tray”

**Tray dimensions and position of pin headers SL-SMT 5.08**




## User preparation of the SL-SMT 5.08 in the “Tray”

For user preparation of the SL-SMT 5.08 in the “Tray”, we also offer all components separately.

**Empty tray**

| Type | Description | Cat. No. | Qty. |
|---|---|---|---|
| Tray SL-SMT 5.08/90 | for SL-SMT 5.08/4…24/90, SL-SMT 5.08/4…24/90G and SL-SMT 5.08/2…24/90LF | **1774640000** | 1 |
| Tray SL-SMT 5.08/180 | for SL-SMT 5.08/4…24/180 , SL-SMT 5.08/4…24/180G and SL-SMT 5.08/2…24/180LF | **1774650000** | 1 |
| PPP-SL-SMT 5.08/180 | Pick-and-Place-Pad for SL-SMT 5.08/2…24/180 (open, closed and flange version) | **1774680000** | 100 |

## Application notes

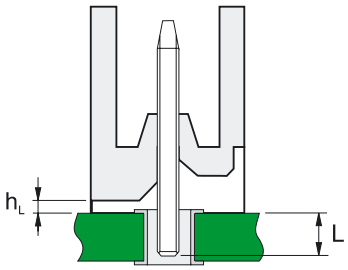
To garantuee the best soldering result in the reflow processes the required paste volume and paste filling level must be optimized for the paste printing process.

We recommend a calculation of paste volume as follows:

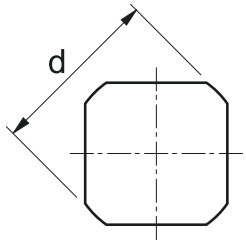
### Solder paste volume:

Recommended for optimized solder fill, solder joint shape and tolerances according to IPC-A610B.

| pin header type: open, closed ended: solder flange LF: | Poles 2 up to 8<br>– | Poles 9 up to 24<br>Poles 2 up to 24 |
|---|---|---|
| recommended inside diameter finished hole *1) : | $\mathbf{d_I}$ = $1.4^{+0,1}$ mm | $\mathbf{d_I}$ = $1.5^{+0,1}$ mm |
| | paste volume $\mathbf{V_P}$ [$mm^3$] / filling level $\mathbf{f_P}$ [%] after print | |
| minimal solder joint shape<br>optimal solder joint shape | 2.4 $mm^3$ / 70 %<br>2.9 $mm^3$ / 90 % | 3.1 $mm^3$ / 85 %<br>3.5 $mm^3$ / 100 % |




**pin header parameter**




**pin cross-section**

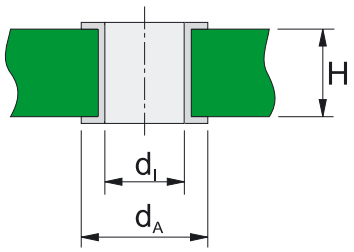
### Valid for all types of SL-SMT with following parameters:

**Pin headers:**

| | | | |
|---|---|---|---|
| Pin length | = **L** | [mm] | = $1.5^{-0.3}$ |
| Stand-off heigth | = $\mathbf{h_L}$ | [mm] | = min. 0.3 |
| Pin diameter | = **d** | [mm] | = 1.2 |

**Printed circuit board (PCB):**

| | | | |
|---|---|---|---|
| Board thickness | = **H** | [mm] | = 1.6 |
| Type of hole | | | = plated through hole |
| Inside diameter finished hole | = $\mathbf{d_I}$ | [mm] | = see table *1) |
| Outside diameter solder eyelet | = $\mathbf{d_A}$ | [mm] | = 2.3 |
| Tolerances according to IEC 326-3 | | | = very fine |




**PCB parameter**

**Template:**

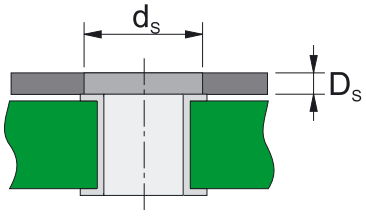
| | | | |
|---|---|---|---|
| Template thickness | = $\mathbf{D_S}$ | [ µm] | = 120 – 180 |
| Template aperture diameter | = $\mathbf{d_S}$ | [mm] | = 2.1 *2) |

**Solder paste:**

| | | | |
|---|---|---|---|
| Solder paste grain | | [µm] | = 20 - 40 = type 3 |
| Evaporation volume of the solder paste | | [%] | = approx. 50 |

**Process:**

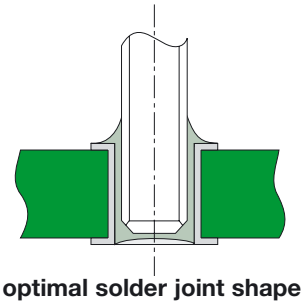
| | | | |
|---|---|---|---|
| Paste applying process | | | = single template print |
| Paste filling level of the finished hole | = $\mathbf{f_P}$ | [%] | = see table |
| Assembly processing | | | = automatic Pick-and-Place |
| Temperature profile | | | = standard, according to EN 61760-1 |




**template parameter**

*1) Tolerances of component, PCB and placement machine must be observed: recommended diameter for 9 to 24 poles and types with solder flange LF: $\mathbf{d_I}$ = $1.5^{+0.1}$ mm

*2) Template aperture diameter about 10% smaller then Outside diameter of solder eyelet $\mathbf{d_A}$



**optimal solder joint shape**

Additional information and application notes can be given on request, or found on our website: www.weidmueller.com


KSW 2.5
10/5.08
163002 0001

## Accessories

A large selection of accessories compliments our printed circuit board connectors, resulting in the optimum connection system for your application.

Options include:
Fixing, marking, coding and miscellaneous (light guides, cover hoods, strain reliefs, snap-on feet, crimp contacts and tools).

# Accessories Selection Matrix

| | | Minimate Range | Omnimate Range | Unimate Range | Powermate Range | Crimpmate Range |
|---|---|---|---|---|---|---|
| **FIXING** | | | | | | |
| | Mounting blocks | integrated in product | ■ | ■ | integrated in product | integrated in product |
| | Locking | | ▲ | | ▲ | integrated in product |
| | Screws | ▲ | ▲ | | | |
| **MARKING** | | | | | | |
| | Marking strips | ■ | ■ | ■ | | |
| | Printing | ■ | ■ | ■ | | |
| | dekafix marker | | | | ■ | |
| **CODING** | | | | | | |
| | Dividing block | | ▲ | | | |
| | Dividing element | | | ▲ | | |
| | Coding element | ▲ | ▲ | ▲ | ▲ | ▲ |
| **MISCELLANEOUS** | | | | | | |
| | Cover hood | ▲ | ▲ | ▲ | | |
| | Strain relief = extraction aid | | ▲ | ▲ | ▲ | ▲ |
| | Light guides | ▲ | ▲ | ▲ | | |
| | Snap-on foot | | ▲ | ▲ | ▲ | ▲ |
| | Removal tool | | ■ | ■ | | ▲ |
| | Crimping tool | | ■ | ■ | | ■ |
| | Crimping machine | | ■ | ■ | | ■ |
| | Screwdriver | ■ | ■ | ■ | ■ | ■ |
| | Actuation tool | | ▲ | | | |

■ Identical accessories for all marked product families

▲ Accessories for this product family only

## Mounting blocks

**Omnimate Range**

**Unimate Range**

**Fig. A**

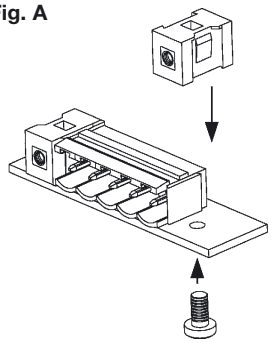
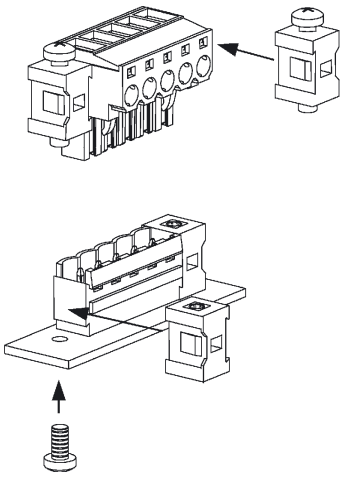
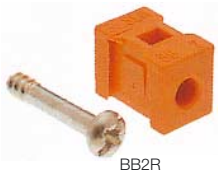
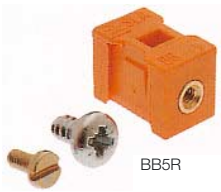


**Fig. B**




BB1R


BB2R


BB5R


BB6R


BB11R


BB12R


BB15R

- additional fixing of the pin header on the printed circuit board (Fig. A)
- vibration-resistant connection of socket block to pin header (Fig. B)
- suitable only for components with lateral dovetail guide (B version)
- one catalogue number = one mounting block plus required screw/s
- metal threaded inserts should be used when frequent screwing of the socket blocks is required

Please refer to the table below to find the optimum mounting set for your application
(pin header on printed circuit board (Fig. A), or socket block to pin header (Fig. B) on the basis of the following four criteria:

1. Angle between pin header and printed circuit board
2. Necessity of using metal threaded inserts in the mounting blocks
3. Width of the mounting blocks
4. Colour

| Angle to the PCB | Metal thread insert | Width mm | Colour | Fixing pin header to the PCB (Fig. A) | | | Fixing socket block to the pin header (Fig. B) | | | Description of the fixing screws per mounting block | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Type | Cat. No. | Qty. | Type | Cat. No. | Qty. | Type | Screw |
| 90°, 180° | nein | 7.62 | ● | BB 1R SW | **1723480000** | 20 | BB 2R SW | **1723490000** | 20 | BB 1R | Pozidrive |
| | | | ● | BB 1R OR | **1723430000** | 20 | BB 2R OR | **1723440000** | 20 | BB 2R | Pozidrive with cheese-head 2.9 x 16 |
| 90°, 180° | ja | 7.62 | ● | BB 5R SW | **1723510000** | 20 | BB 6R SW | **1723520000** | 20 | BB 5R | M2 x 5, Pozidrive 2.9 x 6 |
| | | | ● | BB 5R OR | **1723460000** | 20 | BB 6R OR | **1723470000** | 20 | BB 6R | M2 x 16 with shank |
| 90°, 180° | ja | 5.08 | ● | BB 11R SW | **1692340000** | 20 | BB 12R SW | **1626880000** | 20 | BB 11R | M2.5 x 6, Pozidrive 2.2 x 6 |
| | | | ● | BB 11R OR | **1604120000** | 20 | BB 12R OR | **1593450000** | 20 | BB 12R | M2.5 x 15 |
| 135° | nein | 7.62 | ● | BB 15R SW | **1636370000** | 20 | BB 2R SW | **1723490000** | 20 | BB 15R | Pozidrive 2.9 x 6 |
| | | | ● | BB 15R OR | **1606450000** | 20 | BB 2R OR | **1723440000** | 20 | | |

# Fixing

## Special variants of mounting blocks

Omnimate Range

Unimate Range

5.08

BB4

BB8 RH

BB14

## Screws

Minimate Range

Omnimate Range

3.50

PTSC KA
22 x 8.5

PTSC KA
22 x 4.5

BL 3.5 BEF.SC

For fixing the **SLAS B** and **SLS TB** versions only (see page 177):

- **BB4** allows secure screw connection to the appropriate socket connector. Socket must be fitted with BB2R fixing blocks.
- **BB8 RH** uses simple retension clips to provide a vibration resistant connection to the socket block. Socket must be B version.

**BB14:**

- for fixing the SLAD (open end version only) to the PCB
- for fixing SLD 5.08 V (open end version only) to the PCB
- enables secured connection between socket block and pin header with BB12R
- to screw the pin header to the printed circuit board or to screw the pin header to the socket block

| Type | BB width | Cat. No. | Qty. |
|---|---|---|---|
| BB4 | 7.62 mm | **1571720000** | 50 |
| BB8 RH | 7.62 mm | **1446060000** | 20 |

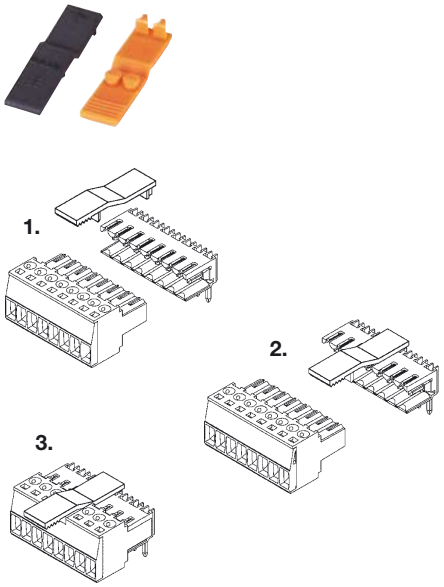
| Type | BB width | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|
| BB14 | 5.08 mm | **1594200000** | **1774460000** | 20 |

| Fixing | Type | Cat. No. | Qty. |
|---|---|---|---|
| pin headers S2L 3.5F, SL 3.5/90F, SL 3.5/180F, SL 3.5/110, SLD 3.5 F and SL 3.5/135 with the pcb | PTSC KA 22 x 4.5 | **1610740000** | 100 |
| for pin headers SLD 3.5 V with the pcb | PTSC KA 22 x 8.5 | **1640960000** | 100 |
| for socket blocks BL 3.5F with pin headers SL 3.5 with flange | BL 3.5 BEF.SC | **1609340000** | 100 |

## Verriegelung

**Omnimate Range**

3.50



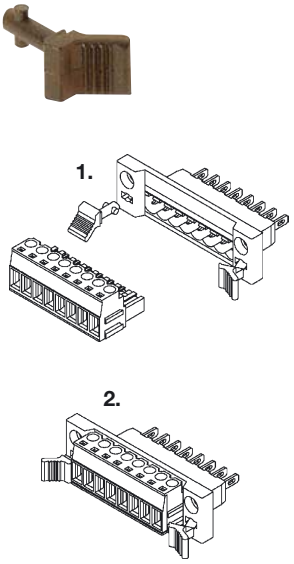

- vibration resistant locking of pin header and socket block
- for all single level SL 3.5 pin headers with conductor angles of 90°, 110°,135° or 180° in conjuction with standard socket blocks BL 3.5 with conductor angle of 180° (not with BLZF 3.5)
- on connectors with more than 8 poles, two locking latches are recommended

| Colour | | | |
|---|---|---|---|
| Type | Cat. No. | Cat. No. | Qty. |
| BL/SL 3.50 VR | **1669310000** | **1669300000** | 100 |

## Locking latches

**Omnimate Range**

5.08



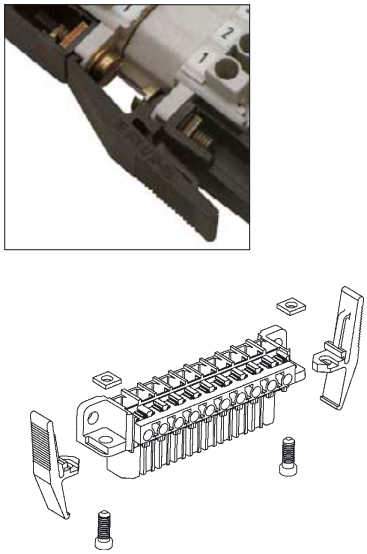

- to lock the through-panel pin header SLDF with a socket block
- only the “B”-version of the socket block can be used for locking with the SLDF VR

More information on through-panel products see page 179.

| Colour | |
|---|---|
| Type | Cat. No. Qty. |
| SLDF VR | **1599120000** 100 |

## Snap-on hook

**Powermate Range**



- to secure the connector to its mating half
- secure fixing of pin headers to the socket blocks

| Colour | |
|---|---|
| Type | Cat. No. Qty. |
| STV 2/10-RH | **1613820000** 10 |

# Marking

## Marking strips KSW

Minimate Range

Omnimate Range

Unimate Range

KSW marking strips serve for marking multipole printed circuit board terminals and connectors. The white adhesive strips consist of PVC-free, environmentally friendly material. These marking strips permit individual print with pitch selection. Two strips widths are available: 2.5 mm and 4.0 mm.

**Technical data**

| | |
|---|---|
| Material: | Polyester with smooth surface |
| Adhesive: | Acrylate based |
| Temperature range: | -40°C to +150°C |
| Minimum bonding temperature: | +4°C |
| Flammability: | self extinguishing after 15 seconds |

**Number of marking strips per sheet**
Up to 20 poles = 20 strips per sheet
* Greater than 20 poles = 15 strips per sheet

## Marking strips KSW 4 and KSW 2.5 - printed versions

| KSW 4 | Pitch | | | | |
|---|---|---|---|---|---|
| Print | 3.50 mm | 5.00 mm | 5.08 mm | 7.50 mm | 7.62 mm |
| 1-8 | 1630190001 | 1700670001 | 1630200001 | 1700690001 | 1700680001 |
| 1-12 | - | - | - | 1630140001 | 1652270001 |
| 1-16 | 1630150001 | 1700700001 | 1630160001 | - | - |
| 1-24* | 1640410001 | 1700710001 | 1630180001 | - | - |

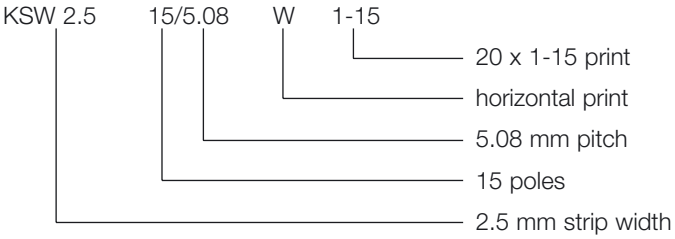
| KSW 2.5 | Pitch | | | | |
|---|---|---|---|---|---|
| Print | 3.50 mm | 5.00 mm | 5.08 mm | 7.50 mm | 7.62 mm |
| 1-8 | - | 1700660001 | 1630100001 | - | - |
| 1-12 | - | - | - | - | - |
| 1-16 | 1652260001 | 1630070001 | 1713970001 | - | - |
| 1-24* | 1652250001 | 1713980001 | 1713990001 | - | - |

## Marking strips KSW 4 and KSW 2.5 - neutral versions

| | Strip length | | |
|---|---|---|---|
| | 50 mm | 100 mm | 150 mm |
| KSW 4 | 1629970000 | 1629990000 | 1630010000 |
| KSW 2.5 | 1629960000 | 1629980000 | 1630000000 |

## Ordering example

Cat. No. **163006 0001**




## Marking strips KSW 4 and KSW 2.5 - custom print

| | Strip length | | |
|---|---|---|---|
| | 50 mm | 100 mm | 150 mm |
| KSW 4 | 1629910000 | 1629930000 | 1629950000 |
| KSW 2.5 | 1629900000 | 1629920000 | 1629940000 |

## Direct printing

Minimate Range

Omnimate Range

Unimate Range

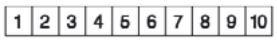
**Please contact us if you want us to print your pin headers and socket blocks according to your requirements!**

Additional versions and marking systems please see also our sectional catalogue “Installation products” (Cat. No. 5629040000).

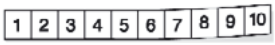
## dekafix marker

**Powermate Range**

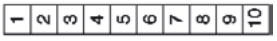
- for marking of individual poles
- simplifies wiring
- numbers and letters available
- horizontal and vertical print
- custom print possible
- robust, permanent marking



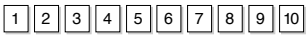

Horizontal print




Strip mounting




Vertical print




Individual tag mounting

**Technical data**

| | | |
|---|---|---|
| Material | Polyamid | |
| | Temperature range | -40 °C up to +100 °C |
| | Flammability class | according to UL 94 V-2 |
| | Components | silicone-free |
| | | halogens below limit of detection |
| Assembly | Strip or individual assembly depending on stackability of the product | |
| Print | Standard or custom, print colour black | |
| Smudge resistance | Smudge resistant according to DIN IEC 50 | |
| Custom print | From customer's list or data exchange via disk or modem | |
| Colour | Available in colours of the international colour code | |
| | ● schwarz = 0 ● gelb = 4 ● violett = 7 | |
| | ● braun = 1 ● grün = 5 ● grau = 8 | |
| | ● rot = 2 ● blau = 6 ○ weiß = 9 | |
| | ● orange = 3 | |
| Digits max. DEK 5 | 3 horizontal | 3 vertical up to 2.5 mm type size |



| (only horizontal) | Print | Cat. No. |
|---|---|---|
| Printing with individual letters | A | **0522761021** |
| A A A A A A A A A A | B | **0522761022** |
| | C | **0522761023** |
| | D | **0522761024** |
| | E | **0522761025** |
| | F | **0522761026** |
| | G | **0522761027** |
| | H | **0522761028** |
| | I | **0522761029** |
| | J | **0522761030** |
| | K | **0522761031** |
| | L | **0522761032** |
| | M | **0522761033** |
| | N | **0522761034** |
| | O | **0522761035** |
| | P | **0522761036** |
| | Q | **0522761037** |
| | R | **0522761038** |
| | S | **0522761039** |
| | T | **0522761040** |
| | U | **0522761041** |
| | V | **0522761042** |
| | W | **0522761043** |
| | X | **0522761044** |
| | Y | **0522761045** |
| | Z | **0522761046** |

| | Print | Horizontal | Vertical |
|---|---|---|---|
| Printing 50 digits in series | 1 … 50 | **0473460001** | **0473560001** |
| 1 2 3 4 5 6 7 8 9 10 | 51 … 100 | **0473460051** | **0473560051** |
| 11 12 13 14 15 16 17 18 19 20 | to | the last 3 digits of the Cat. No. are the first printed number | |
| | 951 … 999 | **0473460951** | **0473560951** |
| Printing 10 digits in series | 1 … 10 | **0523060001** | **0460660001** |
| 1 2 3 4 5 6 7 8 9 10 | 11 … 20 | **0523060011** | **0460660011** |
| 11 12 13 14 15 16 17 18 19 20 | to | the last 3 digits of the Cat. No. are the first printed number | |
| | 91 … 100 | **0523060091** | **0460660091** |
| Printing individual numbers | 1 | **0522660001** | - |
| 1 1 1 1 1 1 1 1 1 1 | 2 | **0522660002** | - |
| | to | the last 3 digits of the Cat. No. are the printed number | |
| | 200 | **0523266200** | - |

Additional versions and marking systems please see also our sectional catalogue "Installation products" (Cat. No. 5629040000).

# Coding

## Dividing block

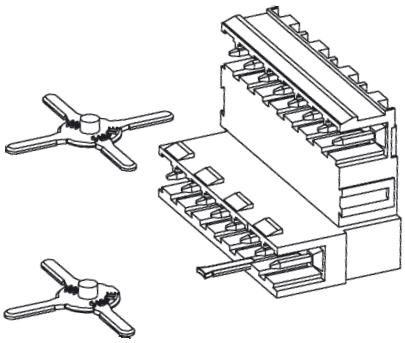
**Omnimate Range**

- divides longer pin headers into separate compartments
- protects against incorrect insertion
- protects individual pins against dust and touch

| Type | Pitch | Cat. No. | Qty. |
|---|---|---|---|
| SLAT | 5.00 5.08, 7.50, 7.62 mm | **1598300000** | 100 |

## Dividing element

**Unimate Range**



- the position of the separating element determines the number of poles of the plug-in socket block.
- divides pin headers SLAD into different compartments
- protection against incorrect insertion

| Type | Pitch | Cat. No. | Qty. |
|---|---|---|---|
| SLAD TE | 5.08 mm | **1323460000** | 100 |

## Dividing element

**Crimpmate Range**

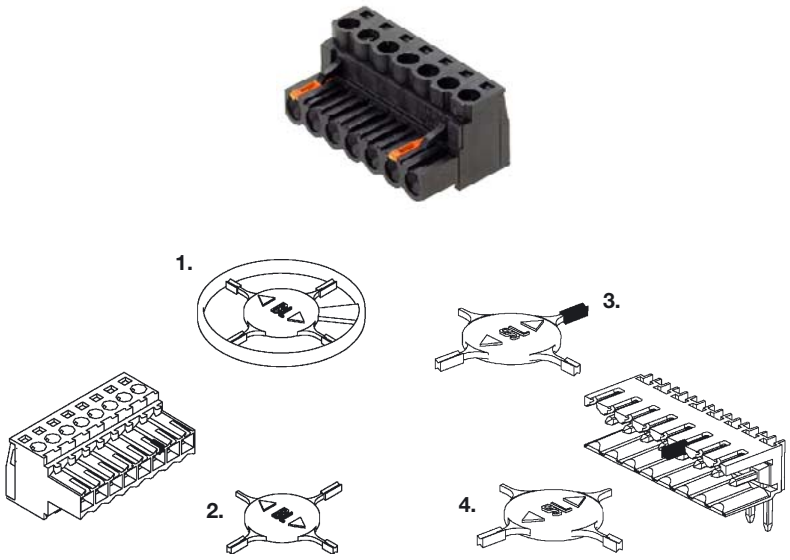
for coding of pin headers

for coding of pin plugs

- coding with loss of poles
- male connector coding required only

| Type | Pitch | Cat. No. | Qty. |
|---|---|---|---|
| RSV 1.6 KO | 7.00 mm | **1567430000** | 50 |

## Coding element




- protection against incorrect insertion if several connectors of the same number of poles are used
- coding without loss of poles
- for all pin headers and socket blocks

## Coding element

- protection against incorrect insertion if several connectors of the same number of poles are used
- coding without loss of poles
- for all pin headers and socket blocks



### Minimate Range

### Omnimate Range

| Colour | | ● | ● | |
|---|---|---|---|---|
| Pitch/mm | Type | Cat. No. | Cat. No. | Qty. |
| 3.50 | BL/SL 3.50 KO | **1693430000** | **1610100000** | 100 |

### Omnimate Range

| Colour | | ● | ● | |
|---|---|---|---|---|
| Pitch/mm | Type | Cat. No. | Cat. No. | Qty. |
| 5.00/5.08* | | | | |
| 7.50/7.62 | BLZ KO** | **1573010000** | **1545710000** | 100 |

* except BL 5.0X

### Unimate Range

| Colour | | White | |
|---|---|---|---|
| Pitch/mm | Type | Cat. No. | Qty. |
| 5.08 | SLA KO | **1323560000** | 100 |

### Powermate Range

| Colour | | ● | |
|---|---|---|---|
| Pitch/mm | Type | Cat. No. | Qty. |
| 7.00 | STV S KO | **1613800000** | 50 |

## Cover hoods

new

**Minimate Range**

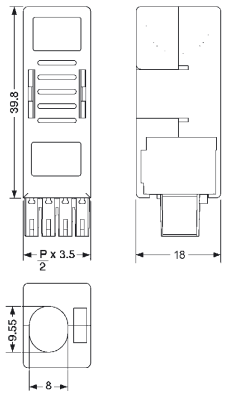
- installation without tools
- dekafix marking
- additional marking with labels possible
- for 6 to 36 pole socket blocks of the B2L 3.5 type
- 180° cable orientation for 6 to 16 pole cover hoods
- 90° and 180° cable orientation for 18 to 36pole cover hoods

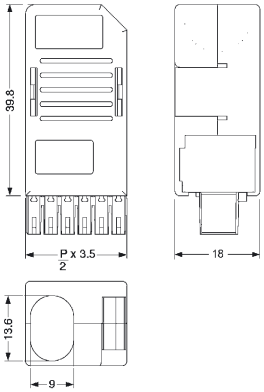
### Technical data

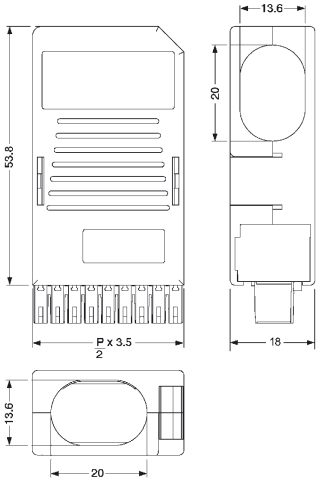
| Materials | |
|---|---|
| Insulation material | PBT |
| Flammability class. | UL 94 V-0 |

| System characteristic values | |
|---|---|
| Pitch | 3.50 mm |
| Colour | black |
| Number of poles | 6…36 |
| Single-wire cross-section max. 1) | 1.0 mm² |

1) 6 pole version max. 0.75 mm²




**B2L 3.5 AH 6...8**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 6 | B2L 3.5 AH 6 SW | **1781560000** | 10 |
| 8 | B2L 3.5 AH 8 SW | **1781570000** | 10 |

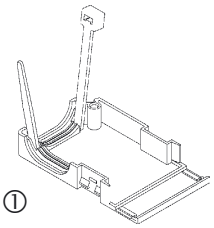
**B2L 3.5 AH 10...16**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 10 | B2L 3.5 AH 10 SW | **1781580000** | 10 |
| 12 | B2L 3.5 AH 12 SW | **1781590000** | 10 |
| 14 | B2L 3.5 AH 14 SW | **1781600000** | 10 |
| 16 | B2L 3.5 AH 16 SW | **1781610000** | 10 |

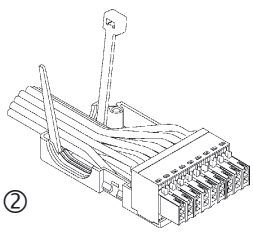
**B2L 3.5 AH 18...36**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 18 | B2L 3.5 AH 18 SW | **1781620000** | 10 |
| 20 | B2L 3.5 AH 20 SW | **1781630000** | 10 |
| 22 | B2L 3.5 AH 22 SW | **1781640000** | 10 |
| 24 | B2L 3.5 AH 24 SW | **1781650000** | 10 |
| 26 | B2L 3.5 AH 26 SW | **1781660000** | 10 |
| 28 | B2L 3.5 AH 28 SW | **1781670000** | 10 |
| 30 | B2L 3.5 AH 30 SW | **1781680000** | 10 |
| 32 | B2L 3.5 AH 32 SW | **1781690000** | 10 |
| 34 | B2L 3.5 AH 34 SW | **1781700000** | 10 |
| 36 | B2L 3.5 AH 36 SW | **1781710000** | 10 |

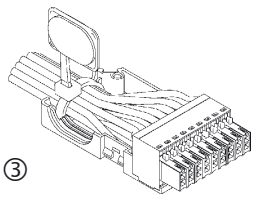
**Assembly instructions B2L 3.5 AH**



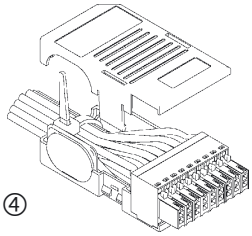
① Insert cable fastener in required outgoing direction.



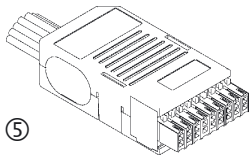
② Insert wired socket block and close cable fastener.



③ Close lateral opening which is not used.

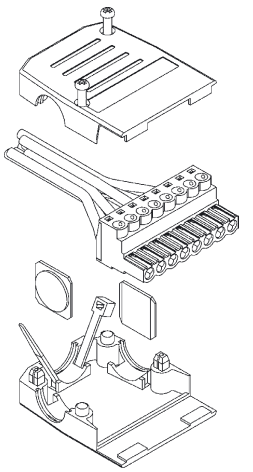


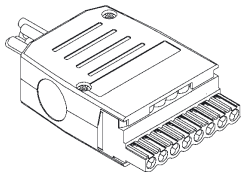
④ Put on cover hood.



⑤ Snap into place.

## Cover hoods



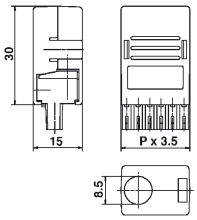


- mechanical and electrical protection
- only for standard screw clamp socket block with 180° cable entry
- **3.50 mm pitch:**
  Type 1 = one cable entry angle
  Type 2 = two different cable entry angles
- **5.00/5.08 mm pitch:**
  three different cable entry angles
- marking with dekafix possible
- combined strain relief and extraction aid

### Omnimate Range

3.50

**Typ 1**



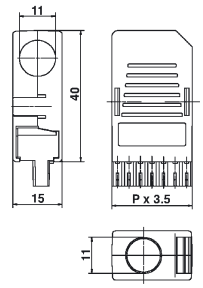

**BL 3.5 AH 3...6**

| Poles | Type 1 | Cat. No. | Qty. |
|---|---|---|---|
| 3 | BL 3.5AH 3 SW | **1745580000** | 10 |
| 4 | BL 3.5AH 4 SW | **1745590000** | 10 |
| 5 | BL 3.5AH 5 SW | **1745600000** | 10 |
| 6 | BL 3.5AH 6 SW | **1745610000** | 10 |

**Cable diameter max. for use with BL 3.5 AH 3...6**

| Poles | Sheathed cable | Single wires „f“ |
|---|---|---|
| 3 | 3 x 1.5 mm² | 3 x 1.5 mm² |
| 4 | 4 x 1.0 mm² | 4 x 1.5 mm² |
| 5 | 5 x 0.75 mm² | 5 x 1.5 mm² |
| 6 | 6 x 0.75 mm² | 6 x 1.5 mm² |

**Type 2**




**BL 3.5 AH 7...16**

| Poles | Type 2 | Cat. No. | Qty. |
|---|---|---|---|
| 7 | BL 3.5AH 7 SW | **1745620000** | 10 |
| 8 | BL 3.5AH 8 SW | **1745630000** | 10 |
| 9 | BL 3.5AH 9 SW | **1745640000** | 10 |
| 10 | BL 3.5AH 10 SW | **1745650000** | 10 |
| 11 | BL 3.5AH 11 SW | **1745660000** | 10 |
| 12 | BL 3.5AH 12 SW | **1745670000** | 10 |
| 13 | BL 3.5AH 13 SW | **1745680000** | 10 |
| 14 | BL 3.5AH 14 SW | **1745690000** | 10 |
| 15 | BL 3.5AH 15 SW | **1745700000** | 10 |
| 16 | BL 3.5AH 16 SW | **1745710000** | 10 |

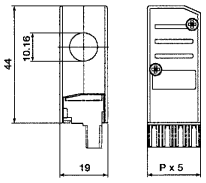
**Cable diameter max. for use with BL 3.5 AH 7...16**

| Poles | Sheathed cable | Single wires „f“ |
|---|---|---|
| 7 | 7 x 1.5 mm² | 7 x 1.5 mm² |
| 8 | 8 x 1.0 mm² | 8 x 1.5 mm² |
| 9 | 9 x 0.75 mm² | 8 x 1.5 mm² |
| 10 | 10 x 0.75 mm² | 10 x 1.5 mm² |
| 11 | 11 x 0.75 mm² | 11 x 1.5 mm² |
| 12 | 12 x 0.75 mm² | 12 x 1.5 mm² |
| 13 | 13 x 0.5 mm² | 13 x 1.0 mm² |
| 14 | 14 x 0.5 mm² | 14 x 1.0 mm² |
| 15 | 15 x 0.5 mm² | 15 x 1.0 mm² |
| 16 | 16 x 0.5 mm² | 16 x 1.0 mm² |

### Omnimate Range

5.00 5.08

**Typ 1**



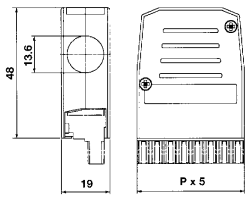

**BLZ AH 4...8**

| Poles | Type 1 | Cat. No. | Qty. |
|---|---|---|---|
| 4 | BLZ AH 4 SW | **1705210000** | 10 |
| 5 | BLZ AH 5 SW | **1705220000** | 10 |
| 6 | BLZ AH 6 SW | **1705230000** | 10 |
| 7 | BLZ AH 7 SW | **1705240000** | 10 |
| 8 | BLZ AH 8 GR1 SW | **1705250000** | 10 |

**Cable diameter max. for use with BLZ AH 4...8**

| Poles | Sheathed cable | Single wires „f“ |
|---|---|---|
| 4 | 4 x 2.5 mm² | 4 x 2.5 mm² |
| 5 | 5 x 1.5 mm² | 5 x 2.5 mm² |
| 6 | 6 x 1.5 mm² | 6 x 2.5 mm² |
| 7 | 7 x 1.5 mm² | 7 x 2.5 mm² |
| 8 | 8 x 0.75 mm² | 8 x 2.5 mm² |

**Type 2**




**BLZ AH 8...12**

| Poles | Type 2 | Cat. No. | Qty. |
|---|---|---|---|
| 8 | BLZ AH 8 GR2 SW | **1705260000** | 10 |
| 9 | BLZ AH 9 SW | **1705270000** | 10 |
| 10 | BLZ AH 10 SW | **1705280000** | 10 |
| 11 | BLZ AH 11 SW | **1705290000** | 10 |
| 12 | BLZ AH 12 SW | **1705300000** | 10 |

**Cable diameter max. for use with BLZ AH 8...12**

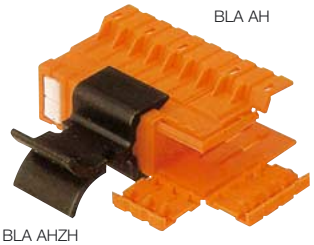
| Poles | Sheathed cable | Single wires „f“ |
|---|---|---|
| 8 | 8 x 1.5 mm² | 8 x 2.5 mm² |
| 9 | - | 9 x 2.5 mm² |
| 10 | 10 x 1.5 mm² | 10 x 2.5 mm² |
| 11 | - | 11 x 2.5 mm² |
| 12 | 12 x 1.5 mm² | 12 x 2.5 mm² |

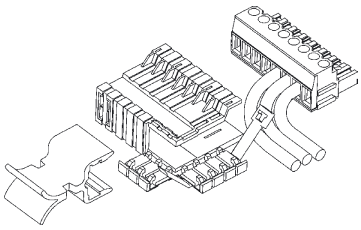
also applicable for pin plugs SLS 5.08

# Miscellaneous

## Cover hoods

### Unimate Range



- for standard BLA with 180 ° cable entry
- mechanical and electrical protection of the BLA socket block
- for two different cable entry angles

**Height 31.3 mm – size 1**
**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 4 | BLA AH 4 GR.1 | **1326760000** | 20 |
| 5 | BLA AH 5 GR.1 | **1326860000** | 20 |
| 6 | BLA AH 6 GR.1 | **1326960000** | 20 |
| 7 | BLA AH 7 GR.1 | **1327060000** | 20 |
| 8 | BLA AH 8 GR.1 | **1327160000** | 20 |
| 9 | BLA AH 9 GR.1 | **1327260000** | 20 |
| 10 | BLA AH 10 GR.1 | **1327360000** | 20 |
| 11 | BLA AH 11 GR.1 | **1327460000** | 20 |
| 12 | BLA AH 12 GR.1 | **1327560000** | 20 |

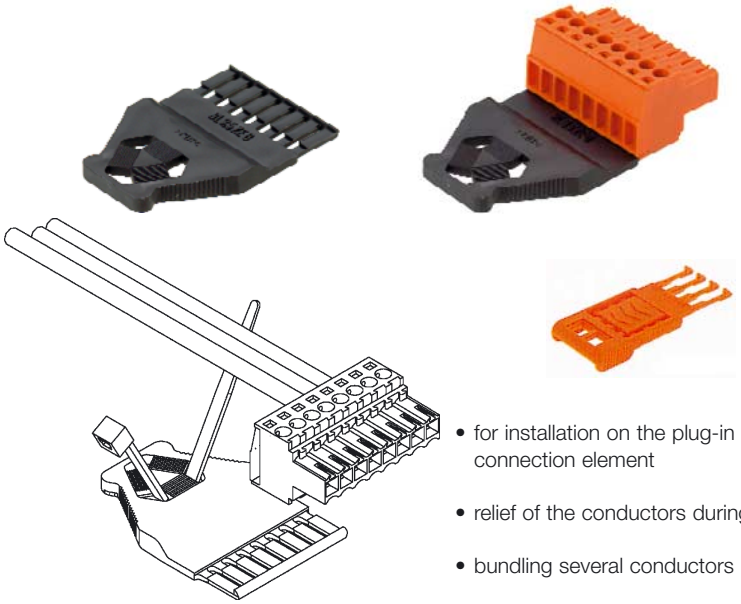
**Height 41.4 mm – size 2**
**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 13 | BLA AH 13 GR.2 | **1327660000** | 10 |
| 14 | BLA AH 14 GR.2 | **1327760000** | 10 |
| 15 | BLA AH 15 GR.2 | **1327860000** | 10 |
| 16 | BLA AH 16 GR.2 | **1327960000** | 10 |
| 17 | BLA AH 17 GR.2 | **1328060000** | 10 |
| 18 | BLA AH 18 GR.2 | **1328160000** | 10 |
| 19 | BLA AH 19 GR.2 | **1328260000** | 10 |
| 20 | BLA AH 20 GR.2 | **1328360000** | 10 |
| 21 | BLA AH 21 GR.2 | **1328460000** | 10 |
| 22 | BLA AH 22 GR.2 | **1328560000** | 10 |
| 23 | BLA AH 23 GR.2 | **1328660000** | 10 |
| 24 | BLA AH 24 GR.2 | **1328760000** | 10 |

**Extraction aid BLA AHZH**
**Colour**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| BLA AHZH | | **1340410000** | 10 |

## Strain relief



- for installation on the plug-in connection element
- relief of the conductors during extraction
- bundling several conductors
- Insertion and extraction aid for the field connection

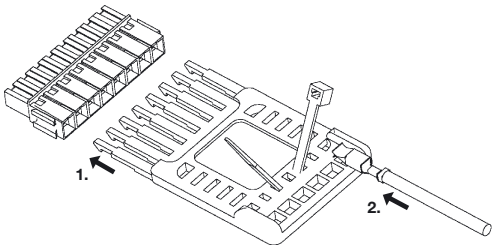
### Omnimate Range

**Colour**

| Applicable for poles | Pitch mm | for socket blocks | Type | Cat. No. | Cat. No. | Qty. |
|---|---|---|---|---|---|---|
| ab 3 | 3.5 | BL, BLZF, BLIDC | BL 3.50 ZE 3 | **1629680000** | **1627820000** | 50 |
| ab 8 | 3.5 | BL, BLZF, BLIDC | BL 3.50 ZE 8 | **1629690000** | **1627830000** | 50 |
| ab 4 | 5.00 | BLZ | BLZ 5.00 ZE 4 | **1652100000** | **1652120000** | 50 |
| ab 8 | 5.00 | BLZ | BLZ 5.00 ZE 8 | **1652040000** | **1652060000** | 50 |
| ab 4 | 5.08 | BLZ | BLZ 5.08 ZE 4 | **1652110000** | **1652130000** | 50 |
| ab 8 | 5.08 | BLZ | BLZ 5.08 ZE 8 | **1652050000** | **1652070000** | 50 |
| ab 4 | 5.08 | BLZF/SLZF | BLZF/SLZF ZE 4 | **1714930000** | **1746300000** | 50 |
| ab 8 | 5.08 | BLZF/SLZF | BLZF/SLZF ZE 8 | **1714940000** | **1746310000** | 50 |
| ab 3 | 7.50 | BLZ | BLZ 7.50 ZE 3 | **1652140000** | **1652200000** | 50 |
| ab 6 | 7.50 | BLZ | BLZ 7.50 ZE 6 | **1652160000** | **1652180000** | 50 |
| ab 3 | 7.62 | BLZ | BLZ 7.62 ZE 3 | **1652150000** | **1652210000** | 50 |
| ab 6 | 7.62 | BLZ | BLZ 7.62 ZE 6 | **1652170000** | **1652190000** | 50 |

### Omnimate Range

### Unimate Range

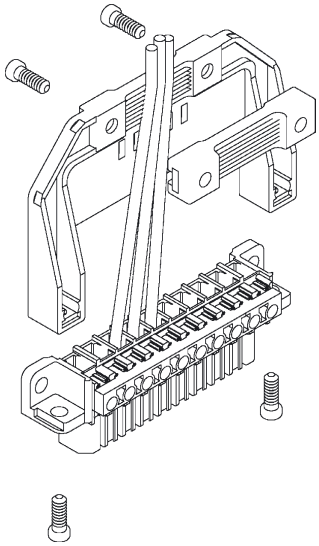



**Colour**

| Applicable for poles | Pitch mm | for socket block type | Type | Cat. No. | Qty. |
|---|---|---|---|---|---|
| from 4 onwards | 5.08 | BLT, BLAT | BLAT 5.08 ZE 4 | **1577980000** | 50 |
| from 8 onwards | 5.08 | BLT, BLAT | BLAT 5.08 ZE 8 | **1578010000** | 50 |

## Strain relief

### Powermate Range



- for use with the plug-in connection element
- Insertion and extraction aid for the field connection

**Colour** ●

| Type | Cat. No. | Qty. |
|---|---|---|
| STV S 3 ZE | **1613870000** | 10 |
| STV S 4 ZE | **1613880000** | 10 |
| STV S 5 ZE | **1613890000** | 10 |
| STV S 6 ZE | **1613900000** | 10 |
| STV S 7 ZE | **1613910000** | 10 |
| STV S 8 ZE | **1613920000** | 10 |
| STV S 9 ZE | **1613930000** | 10 |
| STV S 10 ZE | **1613940000** | 10 |

## Strain relief

### Crimpmate Range

- for use with the plug-in connection element
- insertion and extraction aid for the field connection
- marking with dekafix possible

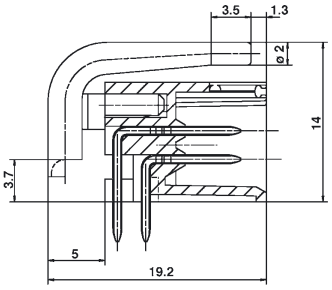
**Colour** ●

| Type | | Cat. No. | Qty. |
|---|---|---|---|
| 4 | RSV 1.6 ZE 4 SW | **1563600000** | 10 |
| 6 | RSV 1.6 ZE 6 SW | **1563500000** | 10 |
| 9 | RSV 1.6 ZE 9 SW | **156340000** | 10 |
| 12 | RSV 1.6 ZE 12 SW | **1563300000** | 10 |
| 18 | RSV 1.6 ZE 18 SW | **1563200000** | 10 |
| 24 | RSV 1.6 ZE 24 SW | **1563100000** | 10 |
| 36 | RSV 1.6 ZE 36 SW | **1563000000** | 10 |

# Miscellaneous

## Light guides

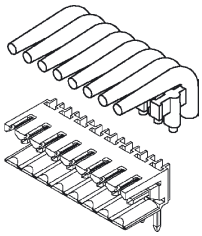
### Minimate Range




- easy monitoring of the switching states
- angled version for optimum light guidance
- only for single-row pin headers with a 90° angle to the PCB
- light outlet shape: round
- sectionable for smaller number of poles

| Poles | Type | Light incidence / mm | Light exit height / mm | Cat. No. | Qty. |
|---|---|---|---|---|---|
| 10 | S2L 3.5 FLA 20/10 | 3.7 | 13 | **1699580000** | 100 |

### Omnimate Range

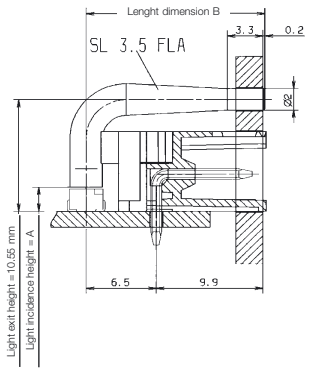



- easy monitoring of the switching states
- angled version for optimum light guidance
- only for single-row pin headers with a 90° angle to the PCB
- light outlet shape: round
- sectionable for smaller number of poles

| Poles | Type | Light incidence / mm | Dimension B / mm | Light exit height / mm | Cat. No. | Qty. |
|---|---|---|---|---|---|---|
| 8 | SL 3.5 FLA 1.5/8[1]) | 1.5 | 16.60 | 10.55 | **1597510000** | 50 |
| 8 | SL 3.5 FLA 1.5/1.75/8[2]) | 1.5 | 14.85 | 10.55 | **1597630000** | 50 |
| 8 | SL 3.5 FLA 2.3/8[1]) | 2.3 | 16.60 | 10.55 | **1597520000** | 50 |
| 8 | SL 3.5 FLA 2.3/1.75/8[2]) | 2.3 | 14.85 | 10.55 | **1597640000** | 50 |
| 8 | SL 3.5 FLA 4.0/8[1]) | 4.0 | 16.60 | 10.55 | **1597530000** | 50 |
| 8 | SL 3.5 FLA 4.0/1.75/8[2]) | 4.0 | 14.85 | 10.55 | **1597650000** | 50 |

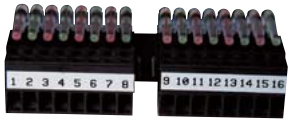
[1]) For mounting in 19"-rack modules or in modules to DIN 43356 for approx. 2.5 mm front panels.

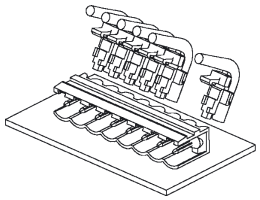
[2]) With truncated light exit height for approx. 1 mm front panels.

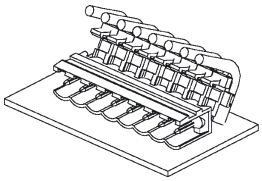


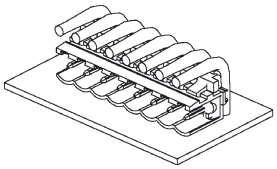
## Light guides

### Omnimate Range

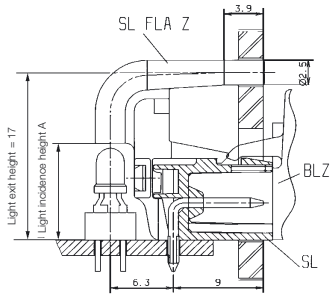





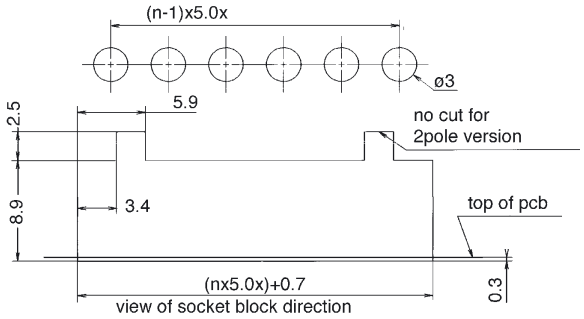


- easy monitoring of the switching states
- bent version for optimum light guidance
- only for single-row pin headers with a 90° angle to the PCB
- light outlet shape: round

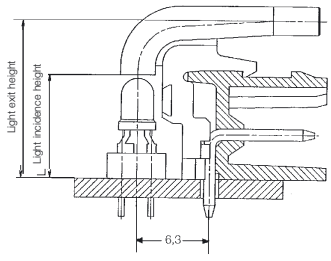
| Poles | Type | Light incidence/ mm | Light exit height / mm | Cat. No. | Qty. |
|---|---|---|---|---|---|
| 1 | SL FLA 1.5/1 | 1.5 | 17 | **1580100000** | 100 |
| 1 | SL FLA 2.3/1 | 2.3 | 17 | **1636670000** | 100 |
| 1 | SL FLA 3.8/1 | 3.8 | 17 | **1580110000** | 100 |
| 1 | SL FLA 9.0/1 | 9.0 | 17 | **1580120000** | 100 |
| 24 | SL FLA 1.5/24 | 1.5 | 17 | **1595850000** | 10 |
| 24 | SL FLA 2.3/24 | 2.3 | 17 | **1636680000** | 10 |
| 24 | SL FLA 3.8/24 | 3.8 | 17 | **1595860000** | 10 |
| 24 | SL FLA 9.0/24 | 9.0 | 17 | **1595870000** | 10 |




**Front panel cut**




### Unimate Range




| Poles | Type | for socket block | Light incidence / mm | Light exit height / mm | Cat. No. | Qty. |
|---|---|---|---|---|---|---|
| 1 | SLA FLA 3.8/1* | BLA | 3.8 | 17.00 | **1482860000** | 100 |
| 1 | SLA FLA 9.8/1* | BLA | 9.8 | 17.00 | **1483260000** | 100 |
| 1 | SLA FLAT 3.8/1* | BLAT | 3.8 | 14.00 | **1482060000** | 100 |
| 1 | SLA FLAT 9.8/1* | BLAT | 9.8 | 14.00 | **1482460000** | 100 |
| 1 | SLA FLAT 4TE 1.5/1 | BLAT | 1.5 | 13.75 | **1594180000** | 100 |
| 1 | SLA FLAT 4TE 2.3/1 | BLAT | 2.3 | 13.75 | **1596880000** | 100 |
| 1 | SLA FLAT 4TE 3.8/1 | BLAT | 3.8 | 13.75 | **1578250000** | 100 |
| 1 | SLA FLAT 4TE 9.0/1 | BLAT | 9.0 | 13.75 | **1578240000** | 100 |
| 8 | SLA FLAT 4TE 9.0/8 | BLAT | 9.0 | 13.75 | **1595290000** | 50 |
| 24 | SLA FLAT 4TE 9.0/24 | BLAT | 9.0 | 13.75 | **1594770000** | 10 |

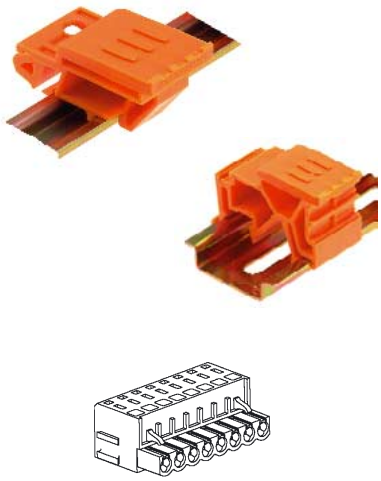
* Light outlet from: quadratic

# Miscellaneous

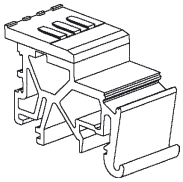
## Snap-on foot

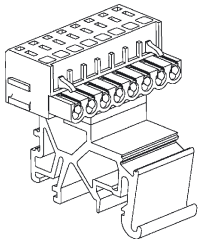
**Omnimate Range**

5.00 5.08









- for BLZF/BLIDC socket blocks and pin plugs SLZF
- marking with dekafix possible
- only for socket blocks with 180° orientation

| Suitable for | Type | Cat. No. | Qty. |
|---|---|---|---|
| TS 15 | RF BLZF/SLZF/BLIDC | **1760080000** | 20 |
| TS 32 und TS 35 | KF BLZF/SLZF/BLIDC | **1760070000** | 20 |

Detailed description see page 176-177

| Number RF or KF | Poles |
|---|---|
| 1 | 4…9 |
| 2 | 10…24 |

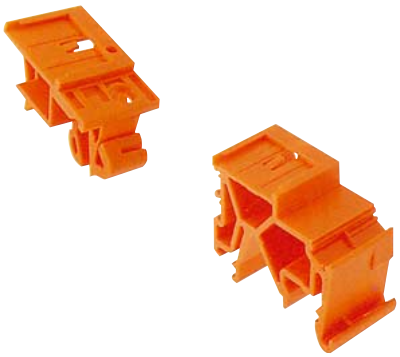
Detailed description see page 176-177

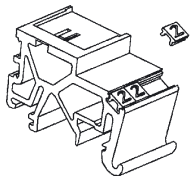
## Snap-on foot

**Omnimate Range**

5.00 5.08

**Unimate Range**





- for pin plugs SLS and SLAS
- marking with dekafix possible

| Suitable for | Type | Cat. No. | Qty. |
|---|---|---|---|
| TS 15 | SLAS RF 15 | **1571730000** | 50 |
| TS 32 und TS 35 | SLAS KF | **1576460000** | 50 |

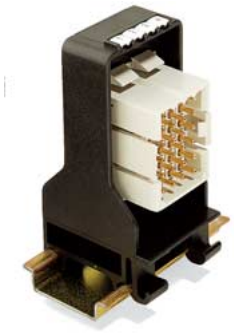
Detailed description see page 176-177

| Number RF or KF | Poles |
|---|---|
| 1 | 4…9 |
| 2 | 10…24 |

Detailed description see page 176-177

## Snap-on foot

**Crimpmate Range**



- for RSV 1.6 plug-in connector elements
- marking with dekafix possible

**Snap-on foot for TS 35**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 4 | RSV 1.6 RF 4 | **1582910000** | 10 |
| 6 | RSV 1.6 RF 6 | **1582920000** | 10 |
| 9 | RSV 1.6 RF 9 | **1582930000** | 10 |
| 12 | RSV 1.6 RF 12 | **1582940000** | 10 |
| 18 | RSV 1.6 RF 18 | **1582950000** | 10 |
| 24 | RSV 1.6 RF 24 | **1582960000** | 10 |
| 36 | RSV 1.6 RF 36 | **1582970000** | 10 |

**Snap-on foot for TS 35/15/2.3**

| Poles | Type | Cat. No. | Qty. |
|---|---|---|---|
| 4 | RSV 1.6 RF 4 | **1690110000** | 10 |
| 6 | RSV 1.6 RF 6 | **1690120000** | 10 |
| 9 | RSV 1.6 RF 9 | **1690130000** | 10 |
| 12 | RSV 1.6 RF 12 | **1690140000** | 10 |
| 18 | RSV 1.6 RF 18 | **1690150000** | 10 |
| 24 | RSV 1.6 RF 24 | **1690160000** | 10 |
| 36 | RSV 1.6 RF 36 | **1690170000** | 10 |

**Powermate Range**

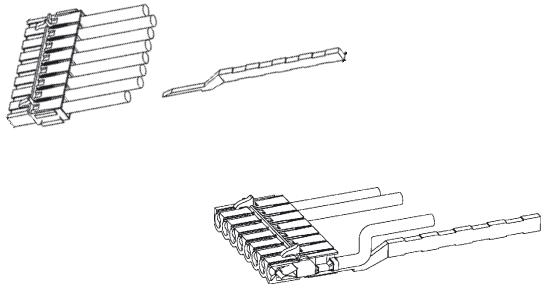
| Type | Cat. No. | Qty. |
|---|---|---|
| Mounting foot Mofu | **0646210000** | 20 |

## Removal tool

**Omnimate Range**


**Unimate Range**

- to remove the crimp contacts in BLC and BLAC socket blocks

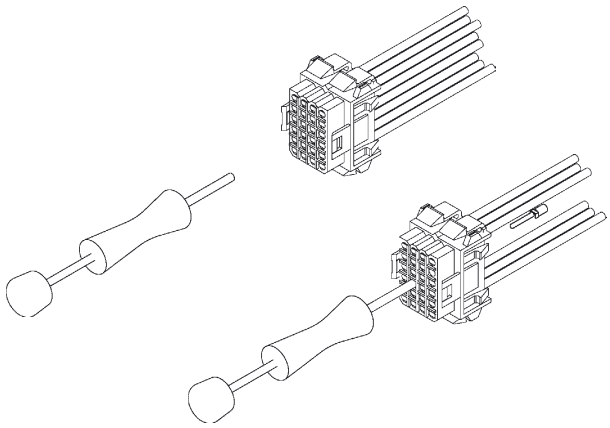


| Description | Type | Cat. No. | Qty. |
|---|---|---|---|
| Removal tool | DFF-C | **9014210000** | 1 |

## Removal tool

**Crimpmate Range**

- to remove the crimp contacts in RSV 1.6 plug-in connector elements



| Description | Type | Cat. No. | Qty. |
|---|---|---|---|
| Removal tool | DW RSV 1.6 | **9004530000** | 1 |

## Screwdriver


| Description | Type | Cat. No. | Qty. |
|---|---|---|---|
| for socket blocks with screw clamp, IDC and tension clamp in 3.50 mm pitch | SDI 0.4 x 2.5 x 75 | **9008370000** | 10 |
| for socket blocks with screw clamp, IDC and tension clamp, in 5.00, 5.08, 7.50, 7.62 mm pitch | SD 0.6 x 3.5 x 100 | **9008330000** | 10 |

## Crimping tools / Crimping machine

| Description | Type | Cat. No. | Qty. |
|---|---|---|---|
| Crimping machine | CM 6 | **9012740000** | 1 |
| Crimping machine with insulation stripping unit | CM 6 ABIE | **9012810000** | 1 |
| **For RSV 1.6** | | | |
| Crimping tool 0.14-1.5 mm² (AWG 26…16) | HTF-RSV 16 | **9013560000** | 1 |
| Crimping tool 1.5-2.5 mm² (AWG 14…12) | HTF-RSV 12 | **9013550000** | 1 |
| Rapid change crimping tool 0.14-0.25 mm² | CW RSV 0.14…0.25 | **9012730000** | 1 |
| Rapid change crimping tool 0.35-0.5 mm² | CW RSV 0.35…0.5 | **9012830000** | 1 |
| Rapid change crimping tool 0.75-1.5 mm² | CW RSV 0.75…1.5 | **9012840000** | 1 |
| Rapid change crimping tool 2.5 mm² | CW RSV 2.5 | **9012850000** | 1 |
| **For BLC/BLAC** | | | |
| Crimping tool 0.22-2.5 mm² (AWG 24…14) | HTF-DFF | **9014140000** | 1 |
| Rapid change crimping tool 0.5-1.0 mm² | CW DFF 0.5–1.0 mm | **9012860000** | 1 |
| Rapid change crimping tool 1.5-2.5mm² | CW DFF 1.5–2.5 mm | **9012870000** | 1 |

Additional tools please see also our sectional catalogue “Tools” (Cat. No. 5629030000).

# Miscellaneous

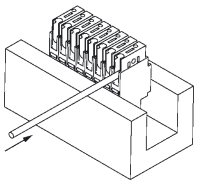
## IDC - Assembly block

**Omnimate Range**


**Caution:**
To avoid potential risk of injury we advise the use of the assembly block for connection of the conductor modules to the main socket block.

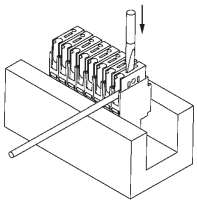
### Connection of module

**1.**



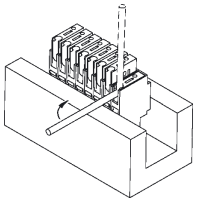
Insert conductor until it stops.

**2.**



Insert screwdriver into centre slot. Press down screwdriver until module is locked.

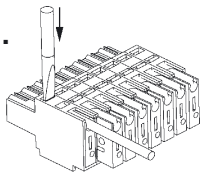
**3.**



Connector is now connected.

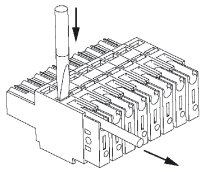
### Removal of module

**1.**



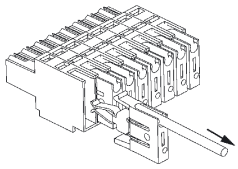
Insert screwdriver in first slot and press down.

**2.**



Insert screwdriver in second slot and press down.

**3.**



Module is now unlocked and can be removed.

**IDC tools**

| Description | Type | Cat. No. | Qty. |
|---|---|---|---|
| **Screwdriver** | | | |
| for pitch 3.50 mm | SDI 0.4 x 2.5 x 75 | **9008370000** | 10 |
| for pitch 5,08 mm | SD 0.6 x 3.5 x 100 | **9008330000** | 10 |
| **IDC assembly block** | | | |
| for BLIDC 3.5 | BLIDC 3.5 ASB | **1774050000** | 100 |
| for BLIDCB 3.5 | BLIDCB 3.5 ASB | **1770310000** | 1 |
| for BLIDC 5.08 | BLIDC 5.08 ASB | **1770300000** | 1 |

## Actuation tool

**Omnimate Range**

**ZBW W**

**ZBW 1**

- to actuate the tension spring for pitches 5.00, 5.08, 7.50 and 7.62 mm

| Description | Type | Cat. No. | Qty. |
|---|---|---|---|
| Actuation tool (angled) | ZBW W | **1669630000** | 50 |
| Actuation tool | ZBW 1 | **1669620000** | 50 |

| Materials | | S2L-SMT 3.5 | B2L 3.5 |
|---|---|---|---|
| Insulation material | | LCP, halogen-free | PBT |
| Colour | | black | orange, black 1) |
| Temperature range | °C | – | -20…+100 |
| Operating temperature with B2L 3.5 | °C | -20…+100 | – |
| Flammability class. | UL94 | V-0 | V-0 |
| Contact base material | | CuZn | Cu-alloy |
| Contact plating | | tin-plated | tin-plated |
| **System characteristic values** | | | |
| Pitch / Row distance 7) | mm | 3.50/2.5 | 3.50/2.5 |
| Connection method | | Through-Hole solder | tension clamp connection |
| Processing method | | Reflow solder | – |
| Solder pin length | mm | 3.2 (90°) / 3.5 (180°) | – |
| PCB hole diameter | Ømm | $1.4^{+0.1}$ 17) | – |
| Insulation stripping length | mm | – | $7^{+1}$ |
| Clamping screw | M | – | – |
| Insulation resistance | MΩ | ≥ $10^6$ | ≥ $10^5$ |
| Through resistance | mΩ | ≤ 4.5 | ≤ 4.7 |
| Torque | Nm | – | – |
| **Conductor size** | | | |
| Clamping range | $mm^2$ | – | 0.08…1.0 |
| "e" solid H05(07) V-U | $mm^2$ | – | 0.5…1.0 |
| "f" flexible H05(07) V-K | $mm^2$ | – | 0.5…1.0 |
| "f" with ferrule to DIN 46228/1 | $mm^2$ | – | – |
| … with plastic collar to DIN 46228/4 | $mm^2$ | – | – |
| **VDE 0110 1.89 rated data** | | | |
| Rated cross-section | $mm^2$ | – | 1.0 |
| Rated current 3) | A | 8.3 | 8.3 |
| **Overvoltage category / Pollution severity** | | **III/3 III/2 II/2** | **III/3 III/2 II/2** |
| Rated voltage | V | 80 100 160 4) | 100 125 250 |
| Impulse voltage | kV | 1.5 1.5 1.5 | 2.5 2.5 2.5 |
| **UL rated data** | | | |
| Rated voltage, industrial | V~ | 50 | 50 |
| Rated current | A | 5 | 5 |
| AWG conductor (field wiring) | | – | 28… 18 |
| **CSA rated data** | | | |
| Rated voltage, industrial | V~ | 50 | 50 |
| Rated current | A | 5 | 5 |
| AWG conductor (field wiring) | | – | 28… 18 |

**Application notes**

1) additional colours on request

3) referred to 20°C ambient temperature, rated cross-section and max. poles

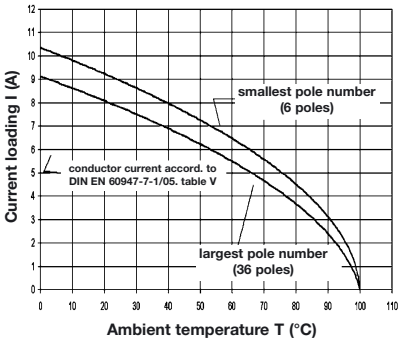
4) for S2L 3.5/90 : III/3 100V / 1.5 kV
III/2 100V / 1.5 kV
II/2 160V / 1.5 kV

7) row distance see layout on product pages 74-77

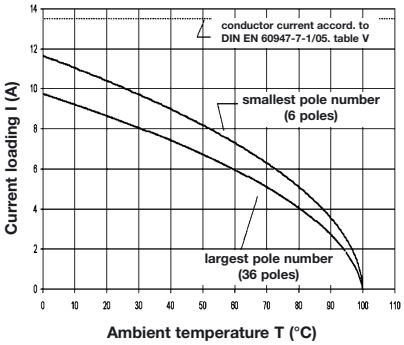
17) see chapter SL-SMT "Design recommendations" on page 180-188

Ordering data: page 74-75

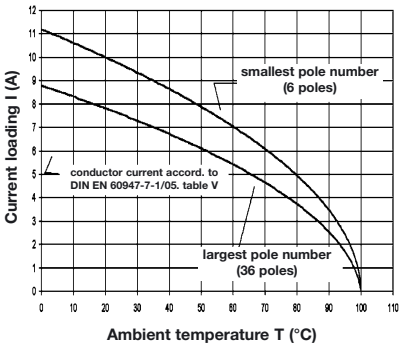
Ordering data: page 76-77



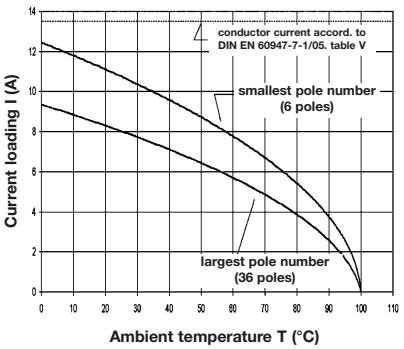

S2L-SMT 3.5/90° with B2L 3.5
Conductor H05V-K0.5 $mm^2$




S2L-SMT 3.5/90° with B2L 3.5
Conductors H05V-K1.0 $mm^2$




S2L-SMT 3.5/180° with B2L 3.5
Conductor H05V-K0.5 $mm^2$




S2L-SMT 3.5/180° with B2L 3.5
Conductor H05V-K1.0 $mm^2$

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

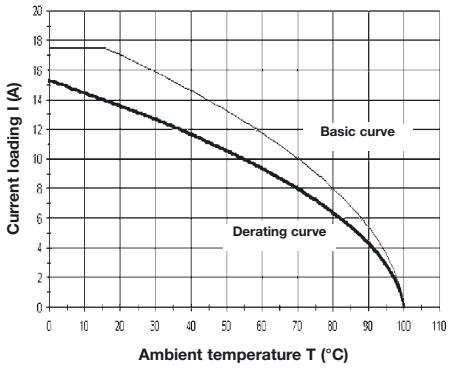
| Materials | | SL-SMT 3.5 | SL 3.5 |
|---|---|---|---|
| Insulation material | | LCP, halogen-free | PBT |
| Colour | | black | orange, black 1) |
| Temperature range | °C | – | -20…+100 |
| Operating temperature with BL 3.5 | °C | -20…+100 | – |
| Flammability class. | UL94 | V-0 | V-0 |
| Contact base material | | CuSn | CuSn |
| Contact plating | | tin-plated | tin-plated |
| **System characteristic values** | | | |
| Pitch | mm | 3.50 | 3.50 |
| Connection method | | Through-Hole solder | solder connection |
| Processing method | | Reflow solder | – |
| Solder pin length | mm | $1.5^{-0.3}$ 16) | 3.2/4.5 |
| PCB hole diameter | Ømm | $1.4^{+0.1}$ 17) | $1.3^{+0.1}$ |
| Insulation stripping length | mm | – | – |
| Clamping screw | M | – | – |
| Insulation resistance | MΩ | ≥ $10^5$ | ≥ $10^5$ |
| Through resistance | mΩ | ≤ 4.5 | ≤ 4.5 |
| Torque | Nm | – | – |
| **Conductor size** | | | |
| Clamping range | $mm^2$ | – | – |
| "e" solid H05(07) V-U | $mm^2$ | – | – |
| "f" flexible H05(07) V-K | $mm^2$ | – | – |
| "f" with ferrule to DIN 46228/1 | $mm^2$ | – | – |
| … with plastic collar to DIN 46228/4 | $mm^2$ | – | – |
| **VDE 0110 1.89 rated data** | | | |
| Rated cross-section | $mm^2$ | – | – |
| Rated current 3) | A | 13 | 12 |
| **Overvoltage category / Pollution severity** | | **III/3 III/2 II/2** | **III/3 III/2 II/2** |
| Rated voltage | V | 160 250 320 | 160 250 320 |
| Impulse voltage | kV | 2.5 2.5 2.5 | 2.5 2.5 2.5 |
| **UL rated data** | | | |
| Rated voltage, industrial | V~ | 300 | 300 |
| Rated current | A | 10 | 10 |
| AWG conductor (field wiring) | | – | – |
| **CSA rated data** | | | |
| Rated voltage, industrial | V~ | 300 | 300 |
| Rated current | A | 10 | 10 |
| AWG conductor (field wiring) | | – | – |

**Application notes**

1) additional colours on request
2) gold-plated contact plating on request
3) referred to 20°C ambient temperature, rated cross-section and max. poles in connection with BL 3.5
16) additional solder pin lengths on request
17) see chapter SL-SMT "Design recommendations" on page 180-188

Ordering data: page 80-83

Ordering data: page 84-86




BL 3.5/SL-SMT 3.5, 24 poles
(conductor bridges over the reflow solder point)
Conductor H07V-K1.5$mm^2$

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

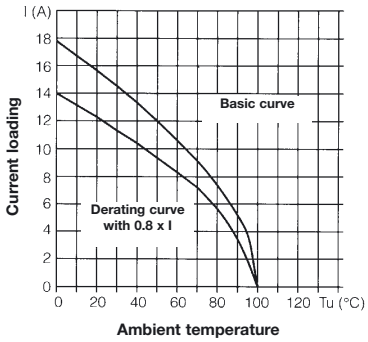
| Materials | | SLD 3.5 | | | SLD 3.5V | | |
|---|---|---|---|---|---|---|---|
| Insulation material | | PBT | | | PBT | | |
| Colour 1) | | orange, black | | | orange, black | | |
| Temperature range | °C | -20…+100 | | | -20…+100 | | |
| Flammability class. | UL94 | V-0 | | | V-0 | | |
| Contact base material | | CuSn | | | CuSn | | |
| Contact plating 2) | | tin-plated | | | tin-plated | | |
| **System characteristic values** | | | | | | | |
| Pitch / Row distance 7) | mm | 3.50 | | | 3.50 | | |
| Connection method | | solder connection | | | solder connection | | |
| Solder pin length | mm | 3.2/4.5 | | | 3.2/4.5 | | |
| PCB hole diameter | Ømm | $1.3^{+0.1}$ | | | $1.3^{+0.1}$ | | |
| Insulation stripping length | mm | – | | | – | | |
| Clamping screw | M | – | | | – | | |
| Insulation resistance | MΩ | ≥ $10^5$ | | | ≥ $10^5$ | | |
| Through resistance | mΩ | ≤ 6.0 | | | ≤ 6.0 | | |
| Torque | Nm | – | | | – | | |
| **Conductor size** | | | | | | | |
| Clamping range | $mm^2$ | – | | | – | | |
| "e" solid H05(07) V-U | $mm^2$ | – | | | – | | |
| "f" flexible H05(07) V-K | $mm^2$ | – | | | – | | |
| "f" with ferrule to DIN 46228/1 | $mm^2$ | – | | | – | | |
| … with plastic collar to DIN 46228/4 | $mm^2$ | – | | | – | | |
| **VDE 0110 1.89 rated data** | | | | | | | |
| Rated cross-section | $mm^2$ | – | | | – | | |
| Rated current 3) | A | 8 | | | 8 | | |
| **Overvoltage category / Pollution severity** | | **III/3** | **III/2** | **II/2** | **III/3** | **III/2** | **II/2** |
| Rated voltage | V | 160 | 250 | 320 | 160 | 250 | 320 |
| Impulse voltage | kV | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| **UL rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 300 | | | 300 | | |
| Rated current | A | 10 | | | 10 | | |
| AWG conductor (field wiring) | | – | | | – | | |
| **CSA rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 300 | | | 300 | | |
| Rated current | A | 10 | | | 10 | | |
| AWG conductor (field wiring) | | – | | | – | | |

**Application notes**

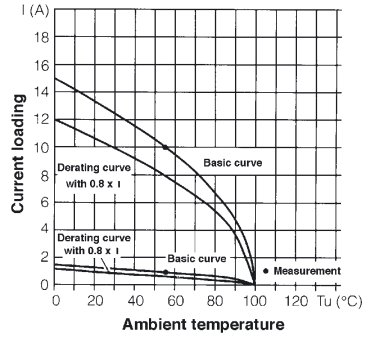
1) additional colours on request
2) gold-plated contact plating on request
3) referred to 20°C ambient temperature, rated cross-section and max. poles in connection
7) row distance see layout on product pages 87, 88-89

Ordering data: page 87

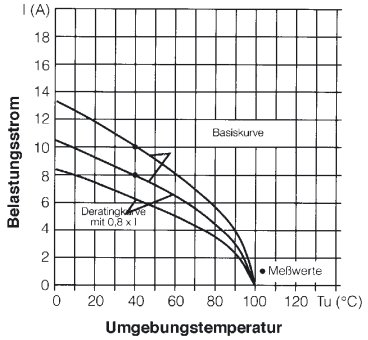
Ordering data: page 88-89



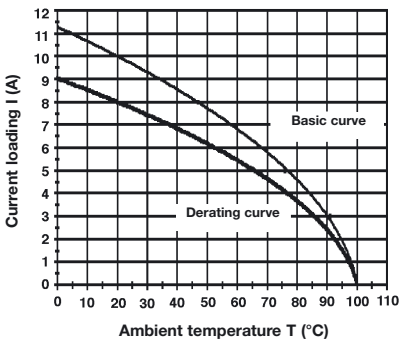

SL 3.5/24/135 with BL 3.5/24
Conductor H07V-K 1.5 $mm^2$




SLD 3.5V/48/90 with 2x BL 3.5/24
Conductor H07V-K1.5 $mm^2$
with max. load on lower level




SLD 3.5V/48/90 mit 2x BL 3.5/24
Conductor H07V-K1.5 $mm^2$
with max. load on upper level




SLD 3.5/48/90 with 2x BL 3.5/24
Conductor H07V-K1.5 $mm^2$

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

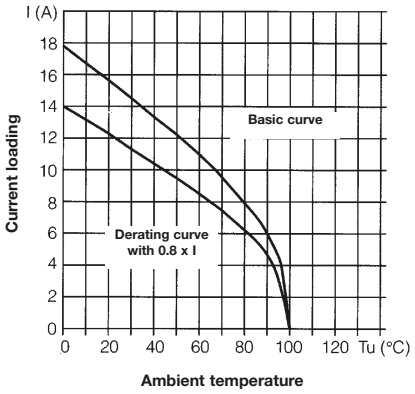
| Materials | | BL 3.5 | BLZF 3.5 |
|---|---|---|---|
| Insulation material | | PBT | PBT |
| Colour 1) | | orange, black | orange, black |
| Temperature range | °C | -20…+100 | -20…+100 |
| Flammability class. | UL94 | V-0 | V-0 |
| Contact base material | | Cu-alloy | Cu-alloy |
| Contact plating 2) | | tin-plated | tin-plated |
| **System characteristic values** | | | |
| Pitch | mm | 3.50 | 3.50 |
| Connection method | | clamping yoke connection | tension clamp connection |
| Solder pin length | mm | – | – |
| PCB hole diameter | Ømm | – | – |
| Insulation stripping length | mm | 7 | $10^{+1}$ |
| Clamping screw | M | 2 | – |
| Insulation resistance | MΩ | ≥$10^5$ | ≥$10^5$ |
| Through resistance | mΩ | ≤ 4.5 | ≤ 4.5 |
| Torque | Nm | 0.2… 0.25 | – |
| **Conductor size** | | | |
| Clamping range | $mm^2$ | 0.08... 1.5 | 0.08... 1.5 |
| "e" solid H05(07) V-U | $mm^2$ | 0.5... 1.5 | 0.5... 1.5 |
| "f" flexible H05(07) V-K | $mm^2$ | 0.5... 1.5 | 0.5... 1.5 |
| "f" with ferrule to DIN 46228/1 | $mm^2$ | 0.5... 1.5 | 0.5... 1.5 9) |
| … with plastic collar to DIN 46228/4 | $mm^2$ | – | – |
| **VDE 0110 1.89 rated data** | | | |
| Rated cross-section | $mm^2$ | 1.5 | 1.5 |
| Rated current 3) | A | 12 | 10 |
| Rated current 3) **for BL 3.5 90°/270°** | A | 9 | - |
| **Overvoltage category / Pollution severity** | | **III/3 III/2 II/2** | **III/3 III/2 II/2** |
| Rated voltage | V | 160 250 320 | 160 250 320 |
| Impulse voltage | kV | 2.5 2.5 2.5 | 2.5 2.5 2.5 |
| **UL rated data** | | | |
| Rated voltage, industrial | V~ | 300 | 300 |
| Rated current | A | 10 | 10 |
| AWG conductor (field wiring) | | 22… 14 | 26… 14 |
| **CSA rated data** | | | |
| Rated voltage, industrial | V~ | 300 | 300 |
| Rated current | A | 10 | 10 |
| AWG conductor (field wiring) | | 28… 14 | 26… 14 |

**Application notes**

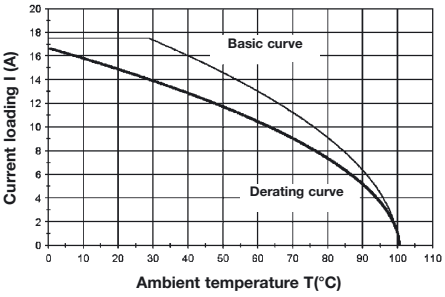
1) additional colours on request
2) gold-plated contact plating on request
3) referred to 20°C ambient temperature, rated cross-section and max. poles in connection
9) form A; crimp form with PZ 1.5 or PZ 6/5 crimping tool for ferrules

Ordering data: page 90-91, 95-96

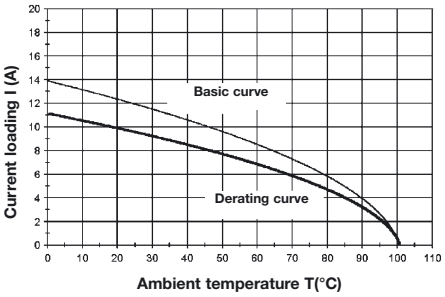
Ordering data: page 92




BL 3.5/16 with SL 3.5/16/90
Conductor H07V-K 1.5 $mm^2$




BLZF 3.5/2 poles with SL 3.5/2 poles
Conductor H07V-K1.5 $mm^2$




BLZF 3.5/24 poles with SL 3.5/90/24 poles
Conductor H07V-K1.5 $mm^2$

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

| Materials | | BLIDC 3.5<br>BLIDCB 3.5 | BL I/O 3.5 | BL I/O 3.5<br>LED |
|---|---|---|---|---|
| Insulation material | | PBT | PBT | PBT |
| Colour | | orange, black [1] | black | black |
| Temperature range | °C | -20…+100 [20] | -20…+100 | -20…+65 |
| Flammability class. | UL94 | V-0 | V-0 | V-0 |
| Contact base material | | CuSn | CuSn | CuSn |
| Contact plating [2] | | tin-plated | tin-plated | tin-plated |
| **System characteristic values** | | | | |
| Pitch | mm | 3.50 | 3.50 | 3.50 |
| Connection method | | IDC connection | spring conn. | spring conn. |
| Solder pin length | mm | – | – | – |
| PCB hole diameter | Ømm | – | – | – |
| Insulation stripping length | mm | – | 10 | 10 |
| Clamping screw | M | – | – | – |
| Insulation resistance | MΩ | ≥ $10^5$ | ≥ $10^5$ | ≥ $10^5$ |
| Through resistance | mΩ | ≤ 5.0 | ≤ 4.2 | ≤ 4.2 |
| Torque | Nm | – | – | – |
| **Conductor size** | | [12] | | |
| Clamping range | $mm^2$ | 0.35 …0.5 | 0.14 …1.5 [24] | 0.14 …1.5 [24] |
| "e" solid H05(07) V-U | $mm^2$ | 0.5 [21] | 0.5 …1.5 | 0.5 …1.5 |
| "f" flexible H05(07) V-K | $mm^2$ | 0.5 [21] | 0.5 …1.5 | 0.5 …1.5 |
| "f" with ferrule to DIN 46228/1 | $mm^2$ | – | 0.5 …1.5 [8] | 0.5 …1.5 [8] |
| … with plastic collar to DIN 46228/4 | $mm^2$ | – | – | – |
| Insulation diameter max. | mm | 2.1 | – | – |
| **VDE 0110 1.89 rated data** | | | | |
| Rated cross-section | $mm^2$ | 0.5 | 1.5 | 1.5 |
| Rated current [3] | A | 6 | 2 | 2 |
| Total current carrying capacity of the potential bridges | A | – | 10 [22] | 10 [22] |
| **Overvoltage category / Pollution severity** | | **III/3 III/2 II/2** | **III/3** | **III/2** |
| Rated voltage | V | 160 250 320 | 50 | 24 |
| Impulse voltage | kV | 2.5 2.5 2.5 | 0.8 | 0.8 |
| **UL rated data** | | | | |
| Rated voltage (industrial) | V~ | 300 | 50 | 24 |
| Rated current | A | 7 | 5 | 5 |
| AWG conductor (field wiring) [23] | | 22 …20 [13] | 16 | 16 |
| **CSA rated data** | | | | |
| Rated voltage (industrial) | V~ | 300 | 50 | 24 |
| Rated current | A | 7 | 5 | 5 |
| AWG conductor (field wiring) [23] | | 22 …20 [13] | 16 | 16 |

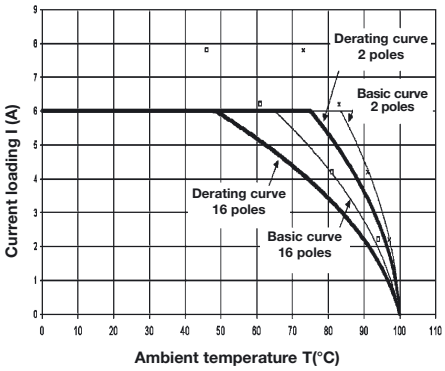
**Application notes**

1) additional colours on request
2) gold-plated contact plating on request
3) referred to 20°C ambient temperature, rated cross-section and max. poles
8) form A; crimp form with PZ 6/5 crimping tool for ferrules
12) for IDC contact 0.5: conductor to DIN EN 60352-4
13) AWG conductor: only 20/1, 20/7, 20/19
20) BLIDCB 3.5: temperature range -20…+80 °C
21) BLIDC 3.5 and BLIDCB 3.5 conductors "e"/"f" to DIN 47726
22) with a 1.5 $mm^2$ infeed „f"
23) BL I/O 3.5 = AWG conductors (factory wiring)
24) conductor <0.2 $mm^2$ tin-plated

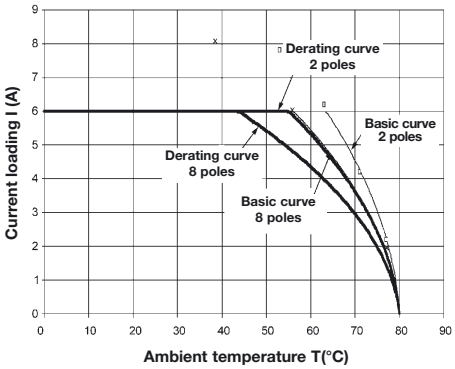
Ordering data: page 93-94

Ordering data: page 99-101

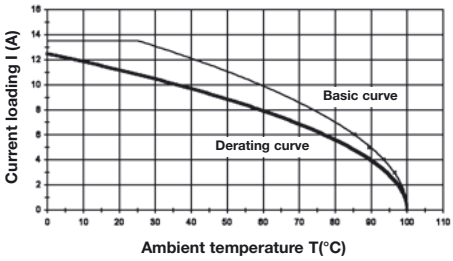
Connection plan and front-panel cut out on page 239



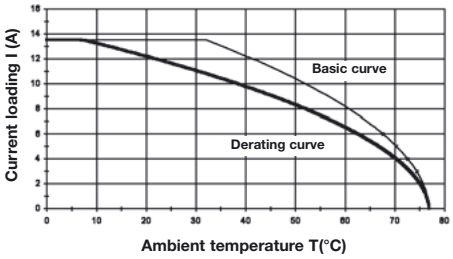

BLIDC 3.5 with SL 3.5/2 and 16 poles
Conductor H05V-K 0.5 $mm^2$




BLIDCB 3.5 with SL 3.5/2 and 8 poles
Conductor H05V-K 0.5 $mm^2$




BL-I/O 3.5 / 30 poles
Conductor H05V-K1.0 $mm^2$




BL-I/O 3.5 with LED / 30 poles
Conductor H05V-K1.0 $mm^2$

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

| Materials | | SL-SMT 5.00/5.08 | SLDF 5.08L/F |
|---|---|---|---|
| Insulation material | | LCP, halogen-free | PBT |
| Colour | | black | orange 1) |
| Temperature range | °C | – | -20…+100 |
| Operating temperature with BLZ 5.00/5.08 | °C | -20…+100 | – |
| Flammability class. | UL94 | V-0 | V-0 |
| Contact base material | | CuSn | CuSn |
| Contact plating 2) | | tin-plated | tin-plated |
| **System characteristic values** | | | |
| Pitch | mm | 5.00 / 5.08 | 5.08 |
| Connection method | | Through-Hole solder | solder/push-on tab connect. |
| Processing method | | Reflow solder | – |
| Solder pin length | mm | $1.5^{-0.3}$ 16) | – |
| PCB hole diameter | Ømm | $1.4^{+0.1}$ 17) 19) | – |
| Insulation resistance | MΩ | ≥ $10^6$ | ≥ $10^5$ |
| Through resistance | mΩ | ≤ 4.2 | ≤ 7.5 |
| Torque | Nm | – | – |
| Solder heat resistance accord. to EN 61760-1 | °C/sec. | 290/30 (class A) | – |
| **Conductor size** | | | 18) |
| Clamping range | $mm^2$ | – | 0.13 …2.5 |
| "e" solid H05(07) V-U | $mm^2$ | – | 0.13 …2.5 |
| "f" flexible H05(07) V-K | $mm^2$ | – | 0.13 …2.5 |
| "f" with ferrule to DIN 46228/1 | $mm^2$ | – | – |
| … with plastic collar to DIN 46228/4 | $mm^2$ | – | – |
| **VDE 0110 4.97 rated data** | | | |
| Rated cross-section | $mm^2$ | – | 1.0 18) |
| Rated current 3) | A | 15 | 8 (solder), 12 (push-on tab) 18) |
| **Overvoltage category / Pollution severity** | | III/3 III/2 II/2 | III/3 III/2 II/2 |
| Rated voltage | V | 250 320 400 | 250 400 400 |
| Impulse voltage | kV | 4.0 4.0 4.0 | 2.0 2.0 2.0 |
| **UL rated data** | | | |
| Rated voltage, industrial | V~ | 300 | 300 |
| Rated current | A | 10 | 10 |
| AWG conductor (field wiring) | | – | – |
| **CSA rated data** | | | |
| Rated voltage, industrial | V~ | 300 | 300 |
| Rated current | A | 10 | 10 |
| AWG conductor (field wiring) | | – | |

**Application notes**

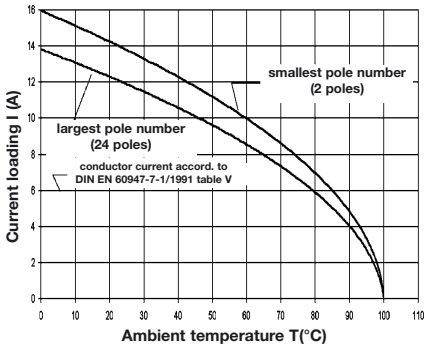
1) additional colours on request
2) gold-plated contact plating on request
3) referred to 20°C ambient temperature, rated cross-section and max. poles in connection with BLZ 5.00 resp.BLZ 5.08
16) additional solder pin lengths on request
17) see chapter SL-SMT "Design recommendations" on page 180-188
18) solder connection for solid and flexible wires up to 2.5 $mm^2$ with insulated sleeves, or with 2.8 mm faston-crimps with insulation sleeves according to DIN IEC 760
19) from 9 poles on $1.5^{+0.1}$

Ordering data: page 104-109, 116-121

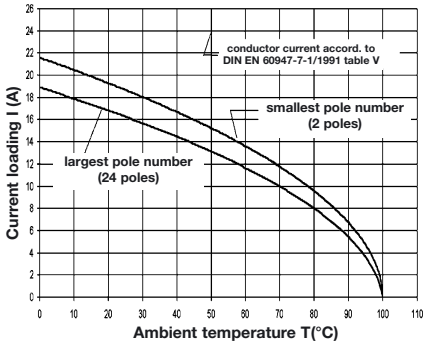
Ordering data: page 179

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

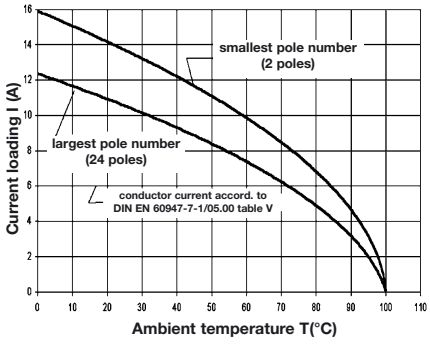
Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.



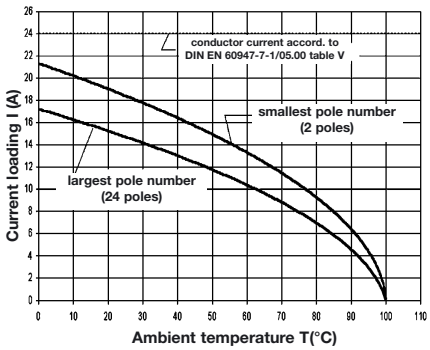

SL-SMT 5.08 with BLZ 5.08
Conductor H05V-K0.5




SL-SMT 5.08 with BLZ 5.08
Conductor H07V-K2.5




SL-SMT 5.00 with BLZ 5.00
Conductor H05V-K0.5




SL-SMT 5.00 with BLZ 5.00
Conductor H07V-K2.5

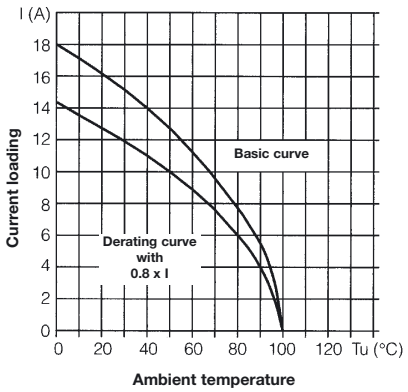
| Materials | | SL 5.00/5.08 | | | SLD 5.00/5.08 R20 | | |
|---|---|---|---|---|---|---|---|
| Insulation material | | PBT | | | PBT | | |
| Colour 1) | | orange, black | | | orange, black | | |
| Temperature range | °C | -20…+100 | | | -20…+100 | | |
| Flammability class. | UL94 | V-0 | | | V-0 | | |
| Contact base material | | CuSn | | | CuSn | | |
| Contact plating 2) | | tin-plated | | | tin-plated | | |
| **System characteristic values** | | | | | | | |
| Pitch / Row distance | mm | 5.00/5.08 | | | 5.00/5.08 7) | | |
| Connection method | | solder connection | | | solder connection | | |
| Solder pin length | mm | 3.2/4.5 | | | 3.2/4.5 | | |
| PCB hole diameter | Ømm | $1.3^{+0.1}$ | | | $1.3^{+0.1}$ | | |
| Insulation stripping length | mm | – | | | – | | |
| Clamping screw | M | – | | | – | | |
| Insulation resistance | MΩ | ≥ $10^5$ | | | ≥ $10^5$ | | |
| Through resistance | mΩ | ≤ 4.5 | | | ≤ 6.7 | | |
| Torque | Nm | – | | | – | | |
| **Conductor size** | | | | | | | |
| Clamping range | $mm^2$ | – | | | – | | |
| "e" solid H05(07) V-U | $mm^2$ | – | | | – | | |
| "f" flexible H05(07) V-K | $mm^2$ | – | | | – | | |
| "f" with ferrule to DIN 46228/1 | $mm^2$ | – | | | – | | |
| … with plastic collar to DIN 46228/4 | $mm^2$ | – | | | – | | |
| **VDE 0110 1.89 rated data** | | | | | | | |
| Rated cross-section | $mm^2$ | – | | | – | | |
| Rated current 3) | A | 12 | | | 8 | | |
| **Overvoltage category / Pollution severity** | | **III/3** | **III/2** | **II/2** | **III/3** | **III/2** | **II/2** |
| Rated voltage | V | 250 | 400 | 400 | 250 | 400 | 400 |
| Impulse voltage | kV | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| **UL rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 300 | | | 300 | | |
| Rated current | A | 10 | | | 10 | | |
| AWG conductor (field wiring) | | – | | | – | | |
| **CSA rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 300 | | | 300 | | |
| Rated current | A | 10 | | | 10 | | |
| AWG conductor (field wiring) | | – | | | – | | |

**Application notes**

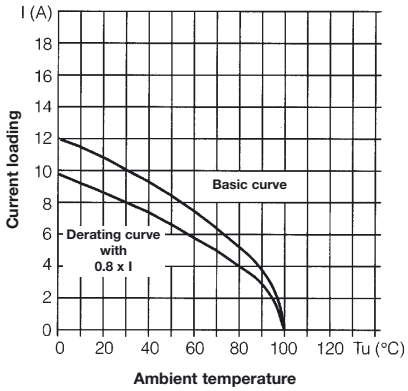
1) additional colours on request
2) gold-plated contact plating on request
3) referred to 20°C ambient temperature, rated cross-section and max. poles
7) row distance see layout on product pages 112, 125

Ordering data: page 110-111, 122-123

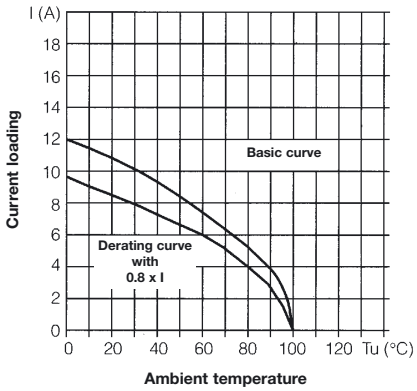
Ordering data: page 112, 125




SL 5.00/24/90 with BLZ 5.00/24
Conductor H07V-K 2.5 $mm^2$




SLD 5.00/20 with 2x BLZ 5.00/10
Conductor H07V-K 2.5 $mm^2$




SLD 5.08/20/90 with 2x BLZ 5.08/10
Conductor H07V-K 2.5 $mm^2$

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

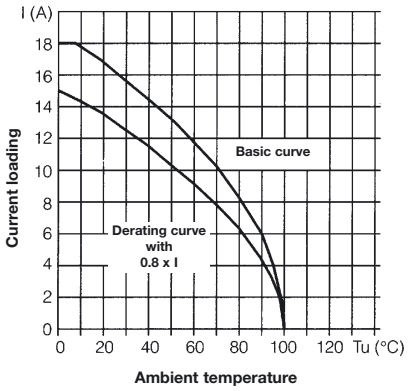
| Materials | | SLD 5.08V | | | BLL 5.08 | | |
|---|---|---|---|---|---|---|---|
| Insulation material | | PBT | | | PBT | | |
| Colour 1) | | orange, black | | | orange, black | | |
| Temperature range | °C | -20…+100 | | | -20…+100 | | |
| Flammability class. | UL94 | V-0 | | | V-0 | | |
| Contact base material | | CuSn | | | Cu-alloy | | |
| Contact plating 2) | | tin-plated | | | tin-plated | | |
| **System characteristic values** | | | | | | | |
| Pitch / Row distance | mm | 5.08 7) | | | 5.08 | | |
| Connection method | | solder connection | | | solder connection | | |
| Solder pin length | mm | 3.2/4.5 | | | 3.2/4.5 | | |
| PCB hole diameter | Ømm | $1.3^{+0.1}$ | | | $1.3^{+0.1}$ | | |
| Insulation stripping length | mm | – | | | – | | |
| Clamping screw | M | – | | | – | | |
| Insulation resistance | MΩ | ≥ $10^5$ | | | ≥ $10^5$ | | |
| Through resistance | mΩ | ≤ 4.5 | | | ≤ 4.5 | | |
| Torque | Nm | – | | | – | | |
| **Conductor size** | | | | | | | |
| Clamping range | $mm^2$ | – | | | – | | |
| "e" solid H05(07) V-U | $mm^2$ | – | | | – | | |
| "f" flexible H05(07) V-K | $mm^2$ | – | | | – | | |
| "f" with ferrule to DIN 46228/1 | $mm^2$ | – | | | – | | |
| … with plastic collar to DIN 46228/4 | $mm^2$ | – | | | – | | |
| **VDE 0110 1.89 rated data** | | | | | | | |
| Rated cross-section | $mm^2$ | – | | | – | | |
| Rated current 3) | A | 7 | | | 12 | | |
| **Overvoltage category / Pollution severity** | | **III/3** | **III/2** | **II/2** | **III/3** | **III/2** | **II/2** |
| Rated voltage | V | 250 | 400 | 400 | 250 | 400 | 400 |
| Impulse voltage | kV | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| **UL rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 300 | | | 300 | | |
| Rated current | A | 10 | | | 10 | | |
| AWG conductor (field wiring) | | – | | | – | | |
| **CSA rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 300 | | | 300 | | |
| Rated current | A | 10 | | | 10 | | |
| AWG conductor (field wiring) | | – | | | – | | |

**Application notes**

1) additional colours on request
2) gold-plated contact plating on request
3) referred to 20°C ambient temperature, rated cross-section and max. poles
7) row distance see layout on product pages 124-125

Ordering data: page 124-125

Ordering data: page 126-127




BLL 5.08/12/90 with SLT 5.08/12
Conductor H07V-K 1.5 $mm^2$

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

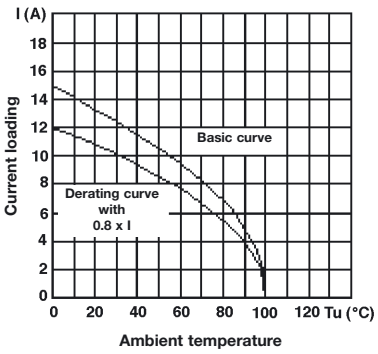
| Materials | | BL 5.00/5.08 | | | BLZ 5.00/5.08 | | |
|---|---|---|---|---|---|---|---|
| Insulation material | | PA 66 | | | PBT | | |
| Colour 1) | | orange, black | | | orange, black | | |
| Temperature range | °C | -20…+100 | | | -20…+100 | | |
| Flammability class. | UL94 | V-2 | | | V-0 | | |
| Contact base material | | CuSn | | | Cu-alloy | | |
| Contact plating 2) | | tin-plated | | | tin-plated | | |
| **System characteristic values** | | | | | | | |
| Pitch | mm | 5.00/5.08 | | | 5.00/5.08 | | |
| Connection method | | leaf spring connection | | | clamping yoke connection | | |
| Solder pin length | mm | – | | | – | | |
| PCB hole diameter | Ømm | – | | | – | | |
| Insulation stripping length | mm | 6 | | | 7 | | |
| Clamping screw | M | 2.5 | | | 2.5 | | |
| Insulation resistance | MΩ | ≥ $10^3$ | | | ≥ $10^5$ | | |
| Through resistance | mΩ | ≤ 4.5 | | | ≤ 5.0 | | |
| Torque | Nm | 0.4…0.5 | | | 0.4…0.5 | | |
| **Conductor size** | | | | | | | |
| Clamping range | $mm^2$ | 0.13…1.5 | | | 0.08…2.5 | | |
| "e" solid H05(07) V-U | $mm^2$ | 0.13…1.5 | | | 0.5…2.5 | | |
| "f" flexible H05(07) V-K | $mm^2$ | 0.5…1.5 | | | 0.5…2.5 | | |
| "f" with ferrule to DIN 46228/1 | $mm^2$ | 0.5…1.5 | | | 0.5…2.5 | | |
| … with plastic collar to DIN 46228/4 | $mm^2$ | 0.5…1,0 | | | 0.5…1.5 | | |
| **VDE 0110 1.89 rated data** | | | | | | | |
| Rated cross-section | $mm^2$ | 1.5 | | | 2.5 | | |
| Rated current 3) | A | 8 | | | 12 | | |
| **Overvoltage category / Pollution severity** | | **III/3** | **III/2** | **II/2** | **III/3** | **III/2** | **II/2** |
| Rated voltage | V | 250 | 400 | 630 | 250 | 400 | 400 |
| Impulse voltage | kV | 5.0 | 4.0 | 4.0 | 5.0 | 4.0 | 4.0 |
| **UL rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 300 | | | 300 | | |
| Rated current | A | 10 | | | 10 | | |
| AWG conductor (field wiring) | | 22… 14 | | | 22… 12 | | |
| **CSA rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 300 | | | 300 | | |
| Rated current | A | 10 | | | 10 | | |
| AWG conductor (field wiring) | | 26… 14 | | | 26… 12 | | |

**Application notes**

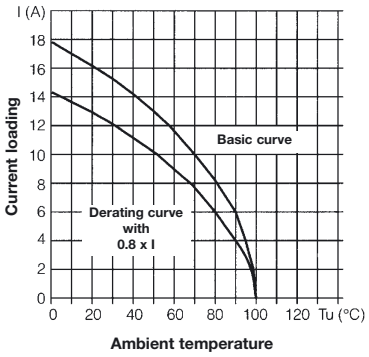
1) additional colours on request
2) gold-plated contact plating on request
3) referred to 20°C ambient temperature, rated cross-section and max. poles

Ordering data: page 113, 128

Ordering data: page 113-115, 128-129, 133-135




BL 5.08/12 with SL 5.08/12
Conductor H07V-K 1.5 $mm^2$

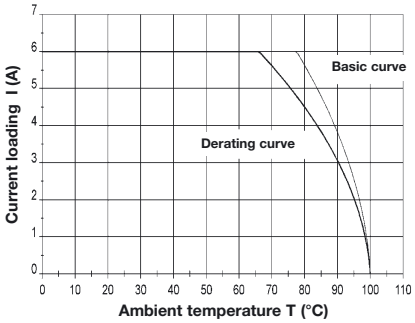



BLZ 5.08/24 with SL 5.08/24/90
Conductor H07V-K 2.5 $mm^2$

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

| Materials | | BLZF 5.00 | | | BLT 5.08 | | |
|---|---|---|---|---|---|---|---|
| Insulation material | | PBT | | | PBT | | |
| Colour [1] | | orange, black | | | orange, black | | |
| Temperature range | °C | -20…+100 | | | -20…+100 | | |
| Flammability class. | UL94 | V-0 | | | V-0 | | |
| Contact base material | | Cu-alloy | | | CuSn | | |
| Contact plating [2] | | tin-plated | | | tin-plated | | |
| **System characteristic values** | | | | | | | |
| Pitch | mm | 5.00 | | | 5.08 | | |
| Connection method | | tension clamp connection | | | TOP connection | | |
| Solder pin length | mm | – | | | – | | |
| PCB hole diameter | Ømm | – | | | – | | |
| Insulation stripping length | mm | 7 | | | 13 | | |
| Clamping screw | M | – | | | 2.5 | | |
| Insulation resistance | MΩ | ≥ $10^5$ | | | ≥ $10^6$ | | |
| Through resistance | mΩ | ≤ 4.5 | | | ≤ 4.5 | | |
| Torque | Nm | – | | | 0.4… 0.5 | | |
| **Conductor size** | | | | | | | |
| Clamping range | $mm^2$ | 0.13... 2.5 | | | 0.08... 1.5 | | |
| "e" solid H05(07) V-U | $mm^2$ | 0.5... 2.5 | | | 0.5... 1.5 | | |
| "f" flexible H05(07) V-K | $mm^2$ | 0.5... 2.5 | | | 0.5... 1.5 | | |
| "f" with ferrule to DIN 46228/1 | $mm^2$ | 0.5... 1.5 [8] | | | 0.5... 1.5 | | |
| … with plastic collar to DIN 46228/4 | $mm^2$ | 0.5... 1.5 | | | 0.5... 1.5 | | |
| **VDE 0110 1.89 rated data** | | | | | | | |
| Rated cross-section | $mm^2$ | 1.5 | | | 1.5 | | |
| Rated current [3] | A | 16 | | | 10 | | |
| **Overvoltage category / Pollution severity** | | **III/3** | **III/2** | **II/2** | **III/3** | **III/2** | **II/2** |
| Rated voltage | V | 250 | 400 | 400 | 250 | 400 | 400 |
| Impulse voltage | kV | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| **UL rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 300 | | | 300 | | |
| Rated current | A | 10 | | | 10 | | |
| AWG conductor (field wiring) | | 26… 14 | | | 22… 12 | | |
| **CSA rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 300 | | | 300 | | |
| Rated current | A | 10 | | | 10 | | |
| AWG conductor (field wiring) | | 26… 14 | | | 26… 12 | | |




BLZF 5.00/24 (modular construction) with SL 5.00/24
Conductor H05V-K 0.5 $mm^2$

**Application notes**

1) additional colours on request
2) gold-plated contact plating on request
3) referred to 20°C ambient temperature, rated cross-section and max. poles
8) form A; crimp form with PZ 6/5 crimping tool for ferrules

Ordering data: page 114

Ordering data: page 129

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

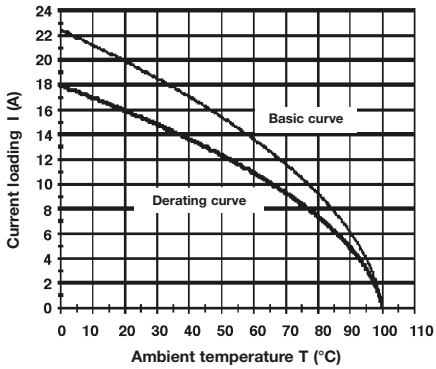
| Materials | | BLZF 5.08 | | | BLIDC 5.08 | | |
|---|---|---|---|---|---|---|---|
| Insulation material | | PBT | | | PBT | | |
| Colour 1) | | orange, black | | | orange, black | | |
| Temperature range | °C | -20…+100 | | | -20…+100 | | |
| Flammability class. | UL94 | V-0 | | | V-0 | | |
| Contact base material | | Cu-alloy | | | CuSn | | |
| Contact plating 2) | | tin-plated | | | tin-plated | | |
| **System characteristic values** | | | | | | | |
| Pitch | mm | 5.08 | | | 5.08 | | |
| Connection method | | tension clamp connection | | | IDC connection | | |
| Solder pin length | mm | – | | | – | | |
| PCB hole diameter | Ømm | – | | | – | | |
| Insulation stripping length | mm | 10 | | | – | | |
| Clamping screw | M | – | | | – | | |
| Insulation resistance | MΩ | ≥ $10^6$ | | | ≥ $10^5$ | | |
| Through resistance | mΩ | ≤ 5.0 | | | ≤ 4.7 | | |
| Torque | Nm | – | | | – | | |
| **Conductor size** | | | | | 12) | | |
| Clamping range | $mm^2$ | 0.08... 2.5 | | | 0.5… 0.75 | | |
| "e" solid H05(07) V-U | $mm^2$ | 0.5... 2.5 | | | 0.5… 0.75 | | |
| "f" flexible H05(07) V-K | $mm^2$ | 0.5... 2.5 | | | 0.5… 0.75 | | |
| "f" with ferrule to DIN 46228/1 | $mm^2$ | 0.5... 2.5 8) | | | – | | |
| … with plastic collar to DIN 46228/4 | $mm^2$ | 0.5… 1.5 11) | | | – | | |
| Insulation diameter max. | mm | – | | | 2.6 | | |
| **VDE 0110 1.89 rated data** | | | | | | | |
| Rated cross-section | $mm^2$ | 2.5 | | | 0.75 | | |
| Rated current 3) | A | 12 | | | 9 | | |
| **Overvoltage category / Pollution severity** | | **III/3** | **III/2** | **II/2** | **III/3** | **III/2** | **II/2** |
| Rated voltage | V | 250 | 400 | 400 | 250 | 400 | 400 |
| Impulse voltage | kV | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| **UL rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 300 | | | 300 | | |
| Rated current | A | 10 | | | 8 | | |
| AWG conductor (field wiring) | | 26... 12 14) | | | 22... 20 13) | | |
| **CSA rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 300 | | | 300 | | |
| Rated current | A | 10 | | | 8 | | |
| AWG conductor (field wiring) | | 26... 12 14) | | | 22... 20 13) | | |

**Application notes**

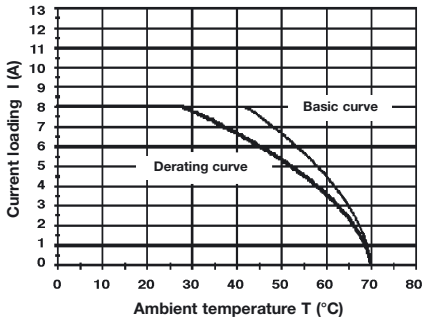
1) additional colours on request
2) gold-plated contact plating on request
3) referred to 20°C ambient temperature, rated cross-section and max. poles
8) form A; crimp form with PZ 6/5 crimping tool for ferrules
11) form E
12) for IDC contact 0.5; conductor to DIN EN 60352-4
13) AWG conductor: only 20/1, 20/7, 20/19
14) max. conductor outer diameter: 2.4 mm

Ordering data: page 130

Ordering data: page 131




BLZF 5.08/8/180 with SL 5.08/8/90
Conductor H05V-K 2.5 $mm^2$




BLIDC 5.08/8 with SL 5.08/8/90
Conductor H05V-K 0.75 $mm^2$

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

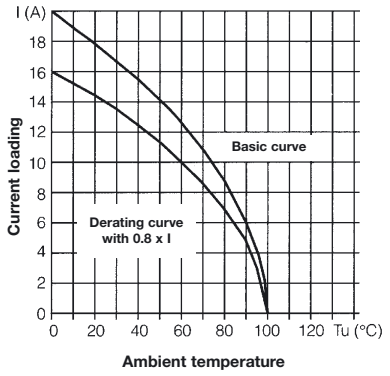
| Materials | | BLC 5.08 DFFC contact system | BLZF 5.08 90°/270° |
|---|---|---|---|
| Insulation material | | PBT | PBT |
| Colour [1] | | orange, black | orange, black |
| Temperature range | °C | -20…+100 | -20…+100 |
| Flammability class. | UL94 | V-0 | V-0 |
| Contact base material | | Cu-alloy | Cu-alloy |
| Contact plating [2] | | tin-plated | tin-plated |
| **System characteristic values** | | | |
| Pitch | mm | 5.08 | 5.08 |
| Connection method | | crimp connection | tension clamp connection |
| Solder pin length | mm | – | – |
| PCB hole diameter | Ømm | – | – |
| Insulation stripping length | mm | 4 | 10 |
| Clamping screw | M | – | – |
| Insulation resistance | MΩ | ≥ $10^5$ | ≥ $10^5$ |
| Through resistance | mΩ | ≤ 2.4 | ≤ 4.5 |
| Torque | Nm | – | – |
| **Conductor size** | | [10] | |
| Clamping range | $mm^2$ | 0.22... 2.5 | 0.08... 2.5 |
| "e" solid H05(07) V-U | $mm^2$ | – | 0.5... 2.5 |
| "f" flexible H05(07) V-K | $mm^2$ | 0.5… 2.5 | 0.5... 2.5 |
| "f" with ferrule to DIN 46228/1 | $mm^2$ | – | 0.5... 2.5 [8] |
| … with plastic collar to DIN 46228/4 | $mm^2$ | – | 0.5... 1.5 [11] |
| **VDE 0110 1.89 rated data** | | | |
| Rated cross-section | $mm^2$ | 2.5 [10] | 2.5 |
| Rated current [3] | A | 14 | 12 |
| **Overvoltage category / Pollution severity** | | III/3 III/2 II/2 | III/3 III/2 II/2 |
| Rated voltage | V | 250 250 250 | 250 400 400 |
| Impulse voltage | kV | 4.0 4.0 4.0 | 4.0 4.0 4.0 |
| **UL rated data** | | | |
| Rated voltage, industrial | V~ | 300 | 300 |
| Rated current | A | 10 | 10 |
| AWG conductor (field wiring) | | 22… 14 | 26… 12 [14] |
| **CSA rated data** | | | |
| Rated voltage, industrial | V~ | 300 | 300 |
| Rated current | A | 10 | 10 |
| AWG conductor (field wiring) | | 26… 12 | 26… 12 [14] |

**Application notes**

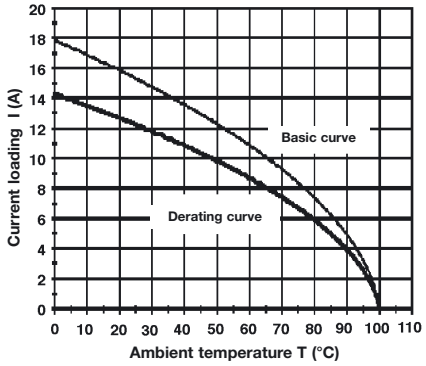
1) additional colours on request
2) gold-plated contact plating on request
3) referred to 20°C ambient temperature, rated cross-section and max. poles
8) form A; crimp form with PZ 6/5 crimping tool for ferrules
10) depends on crimp contact used
11) form E
14) max. conductor outer diameter: 2.4 mm

Ordering data: page 132

Ordering data: page 133-136




BLC 5.08/16R with SL 5.08/16/90
Conductor H07V-K 1.5 $mm^2$




BLZF 5.08/24/90/270 with SL 5.08/24/90
Conductor H07V-K 2.5 $mm^2$

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

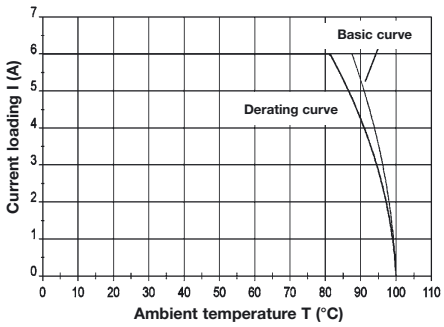
| Materials | | BLZ 5.08 225° | BLDT 5.08 |
|---|---|---|---|
| Insulation material | | PBT | PBT |
| Colour 1) | | orange, black | orange, black |
| Temperature range | °C | -20…+100 | -20…+100 |
| Flammability class. | UL94 | V-0 | V-0 |
| Contact base material | | Cu-alloy | Cu-alloy |
| Contact plating 2) | | tin-plated | tin-plated |
| **System characteristic values** | | | |
| Pitch | mm | 5.08 | 5.08 |
| Connection method | | clamping yoke connection | TOP connection |
| Solder pin length | mm | – | – |
| PCB hole diameter | Ømm | – | – |
| Insulation stripping length | mm | 8 | 7 |
| Clamping screw | M | 2.5 | 2.5 |
| Insulation resistance | MΩ | ≥ $10^5$ | ≥ $10^7$ |
| Through resistance | mΩ | ≤ 4.5 | ≤ 4.5 |
| Torque | Nm | 0.4… 0.5 | 0.4… 0.5 |
| **Conductor size** | | | |
| Clamping range | $mm^2$ | 0.08... 2.5 | 0.13... 2.5 |
| "e" solid H05(07) V-U | $mm^2$ | 0.5... 2.5 | 0.5... 2.5 |
| "f" flexible H05(07) V-K | $mm^2$ | 0.5... 2.5 | 0.5... 1.5 |
| "f" with ferrule to DIN 46228/1 | $mm^2$ | 0.5... 2.5 | 0.5... 1.5 |
| … with plastic collar to DIN 46228/4 | $mm^2$ | 0.5... 1.5 11) | 0.5... 1.5 |
| **VDE 0110 1.89 rated data** | | | |
| Rated cross-section | $mm^2$ | 2.5 | 2.5 |
| Rated current 3) | A | 12 | 14 |
| **Overvoltage category / Pollution severity** | | III/3 III/2 II/2 | III/3 III/2 II/2 |
| Rated voltage | V | 250 400 400 | 250 400 400 |
| Impulse voltage | kV | 4.0 4.0 4.0 | 4.0 4.0 4.0 |
| **UL rated data** | | | |
| Rated voltage, industrial | V~ | 300 | 300 |
| Rated current | A | 10 | 10 |
| AWG conductor (field wiring) | | 26… 12 | 26… 12 |
| **CSA rated data** | | | |
| Rated voltage, industrial | V~ | 300 | 300 |
| Rated current | A | 10 | 10 |
| AWG conductor (field wiring) | | 26… 12 | 26… 12 |

**Application notes**

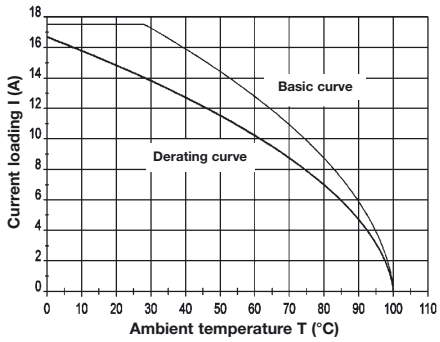
1) additional colours on request
2) gold-plated contact plating on request
3) referred to 20°C ambient temperature, rated cross-section and max. poles
11) form E

Ordering data: page 134

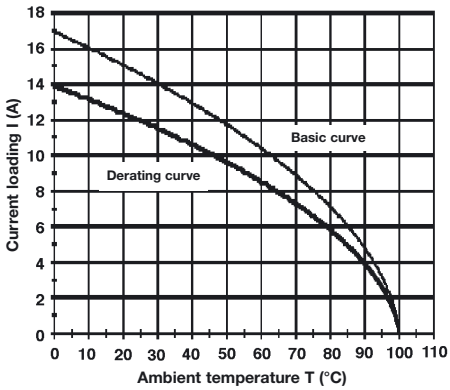
Ordering data: page 136




BLDT 5.08/12 with SL 5.08/12
Conductor H07V-K 0.5 $mm^2$




BLDT 5.08/12 with SL 5.08/12
Conductor H07V-K 1.5 $mm^2$




BLZ 5.08/24/225 with SL 5.08/24/90
Conductor H07V-K 2.5 $mm^2$

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

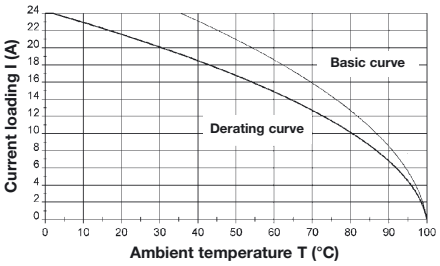
| Materials | | SLS 5.08 | | | SLT 5.08 | | |
|---|---|---|---|---|---|---|---|
| Insulation material | | PBT | | | PBT | | |
| Colour 1) | | orange, black | | | orange, black | | |
| Temperature range | °C | -20…+100 | | | -20…+100 | | |
| Flammability class. | UL94 | V-0 | | | V-0 | | |
| Contact base material | | CuSn | | | CuSn | | |
| Contact plating 2) | | tin-plated | | | tin-plated | | |
| **System characteristic values** | | | | | | | |
| Pitch | mm | 5.08 | | | 5.08 | | |
| Connection method | | clamping yoke connection | | | TOP connection | | |
| Solder pin length | mm | – | | | – | | |
| PCB hole diameter | Ømm | – | | | – | | |
| Insulation stripping length | mm | 7 | | | 13 | | |
| Clamping screw | M | 2.5 | | | 2.5 | | |
| Insulation resistance | MΩ | ≥ $10^5$ | | | ≥ $10^5$ | | |
| Through resistance | mΩ | ≤ 4.5 | | | ≤ 4.5 | | |
| Torque | Nm | 0.4... 0.5 | | | 0.4... 0.5 | | |
| **Conductor size** | | | | | | | |
| Clamping range | $mm^2$ | 0.08... 2.5 | | | 0.08... 1.5 | | |
| "e" solid H05(07) V-U | $mm^2$ | 0.5... 2.5 | | | 0.5... 1.5 | | |
| "f" flexible H05(07) V-K | $mm^2$ | 0.5... 2.5 | | | 0.5... 1.5 | | |
| "f" with ferrule to DIN 46228/1 | $mm^2$ | 0.5... 2.5 | | | 0.5... 1.5 | | |
| … with plastic collar to DIN 46228/4 | $mm^2$ | 0.5... 1.5 | | | 0.5... 1.5 | | |
| **VDE 0110 1.89 rated data** | | | | | | | |
| Rated cross-section | $mm^2$ | 2.5 | | | 1.5 | | |
| Rated current 3) | A | 12 | | | 12 | | |
| **Overvoltage category / Pollution severity** | | **III/3** | **III/2** | **II/2** | **III/3** | **III/2** | **II/2** |
| Rated voltage | V | 250 | 400 | 400 | 250 | 400 | 400 |
| Impulse voltage | kV | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| **UL rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 300 | | | 300 | | |
| Rated current | A | 10 | | | 10 | | |
| AWG conductor (field wiring) | | 26… 12 | | | 22… 12 | | |
| **CSA rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 300 | | | 300 | | |
| Rated current | A | 10 | | | 10 | | |
| AWG conductor (field wiring) | | 26… 12 | | | 26… 12 | | |

**Application notes**

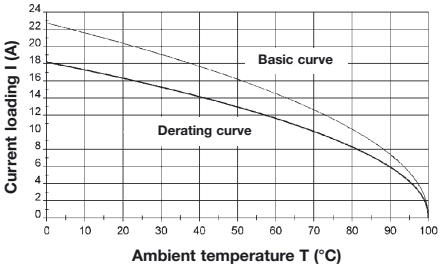
1) additional colours on request
2) gold-plated contact plating on request
3) referred to 20°C ambient temperature, rated cross-section and max. poles

Ordering data: page 137, 176-177

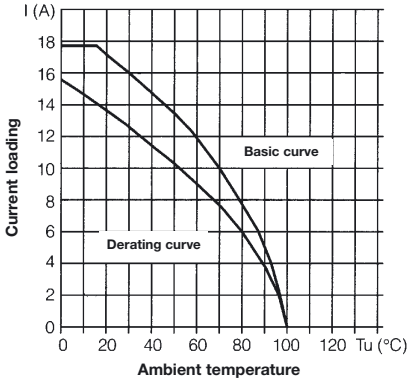
Ordering data: page 138




SLS 5.08/2 with BLL 5.08/2
Conductor H07V-K 2.5 $mm^2$




SLS 5.08/24 with BLL 5.08/24
Conductor H07V-K 2.5 $mm^2$

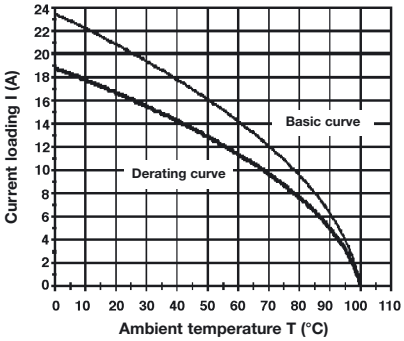



SLT 5.08/10 with BLL 5.08/10
Conductor H07V-K 1.5 $mm^2$

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

| Materials | | SLZF 5.08 | SLZF 5.08 90°/270° |
|---|---|---|---|
| Insulation material | | PBT | PBT |
| Colour 1) | | orange, black | orange, black |
| Temperature range | °C | -20…+100 | -20…+100 |
| Flammability class. | UL94 | V-0 | V-0 |
| Contact base material | | E-Cu | CuSn |
| Contact plating 2) | | tin-plated | tin-plated |
| **System characteristic values** | | | |
| Pitch | mm | 5.08 | 5.08 |
| Connection method | | tension clamp connection | tension clamp connection |
| Solder pin length | mm | – | – |
| PCB hole diameter | Ømm | – | – |
| Insulation stripping length | mm | 10 | 10 |
| Clamping screw | M | – | – |
| Insulation resistance | MΩ | ≥ $10^6$ | ≥ $10^7$ |
| Through resistance | mΩ | ≤ 4.5 | ≤ 4.5 |
| Torque | Nm | – | – |
| **Conductor size** | | | |
| Clamping range | $mm^2$ | 0.08… 2.5 | 0.08… 2.5 |
| "e" solid H05(07) V-U | $mm^2$ | 0.5… 2.5 | 0.5… 2.5 |
| "f" flexible H05(07) V-K | $mm^2$ | 0.5… 2.5 | 0.5… 2.5 |
| "f" with ferrule to DIN 46228/1 | $mm^2$ | 0.5… 2.5 | 0.5… 2.5 |
| … with plastic collar to DIN 46228/4 11) | $mm^2$ | 0.5… 2.5 | 0.5… 1.5 |
| **VDE 0110 1.89 rated data** | | | |
| Rated cross-section | $mm^2$ | 2.5 | 2.5 |
| Rated current 3) | A | 12 | 12 |
| **Overvoltage category / Pollution severity** | | **III/3 III/2 II/2** | **III/3 III/2 II/2** |
| Rated voltage | V | 250 400 400 | 250 400 400 |
| Impulse voltage | kV | 4.0 4.0 4.0 | 4.0 4.0 4.0 |
| **UL rated data** | | | |
| Rated voltage, industrial | V~ | 300 | 300 |
| Rated current | A | 10 | 10 |
| AWG conductor (field wiring) | | 26… 12 | 26… 12 |
| **CSA rated data** | | | |
| Rated voltage, industrial | V~ | 300 | 300 |
| Rated current | A | 10 | 10 |
| AWG conductor (field wiring) | | 26… 12 | 26… 12 |




SLZF 5.08/24/180 with BLL 5.08/24/90
Conductor H07V-K 2.5 $mm^2$

**Application notes**

1) additional colours on request
2) gold-plated contact plating on request
3) referred to 20°C ambient temperature, rated cross-section and max. poles
11) form E

Ordering data: page 138-139

Ordering data: page 139-140

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

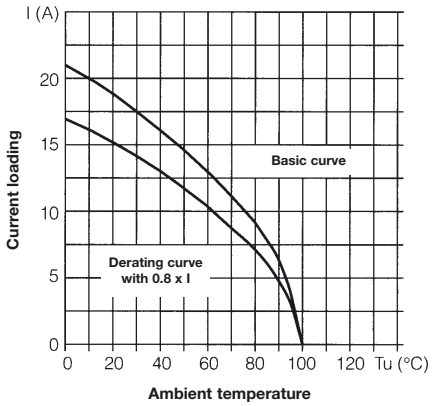
| Materials | | SL 7.50/7.62 | BLZ 7.50/7.62 |
|---|---|---|---|
| Insulation material | | PBT | PBT |
| Colour 1) | | orange, black | orange, black |
| Temperature range | °C | -20…+100 | -20…+100 |
| Flammability class. | UL94 | V-0 | V-0 |
| Contact base material | | CuSn | Cu-alloy |
| Contact plating 2) | | tin-plated | tin-plated |
| **System characteristic values** | | | |
| Pitch | mm | 7.50/7.62 | 7.50/7.62 |
| Connection method | | solder connection | clamping yoke connection |
| Solder pin length | mm | 3.2/4.5 | - |
| PCB hole diameter | Ømm | $1.3^{+0.1}$ | - |
| Insulation stripping length | mm | – | 7 |
| Clamping screw | M | – | 2.5 |
| Insulation resistance | MΩ | ≥$10^5$ | ≥$10^5$ |
| Through resistance | mΩ | ≤ 4.5 | ≤ 5.0 |
| Torque | Nm | – | 0.4… 0.5 |
| **Conductor size** | | | |
| Clamping range | $mm^2$ | – | 0.08… 2.5 |
| "e" solid H05(07) V-U | $mm^2$ | – | 0.5… 2.5 |
| "f" flexible H05(07) V-K | $mm^2$ | – | 0.5… 2.5 |
| "f" with ferrule to DIN 46228/1 | $mm^2$ | – | 0.5… 2.5 |
| … with plastic collar to DIN 46228/4 | $mm^2$ | – | 0.5… 1.5 |
| **VDE 0110 1.89 rated data** | | | |
| Rated cross-section | $mm^2$ | – | 2.5 |
| Rated current 3) | A | 15 | 15 |
| **Overvoltage category / Pollution severity** | | **III/3 III/2 II/2** | **III/3 III/2 II/2** |
| Rated voltage | V | 500 630 800 15) | 500 630 800 15) |
| Impulse voltage | kV | 6.0 6.0 6.0 | 6.0 6.0 6.0 |
| **UL rated data** | | | |
| Rated voltage, industrial | V~ | 300 | 300 |
| Rated current | A | 10 | 10 |
| AWG conductor (field wiring) | | – | 22… 12 |
| **CSA rated data** | | | |
| Rated voltage, industrial | V~ | 300 | 300 |
| Rated current | A | 10 | 10 |
| AWG conductor (field wiring) | | – | 26… 12 |

**Application notes**

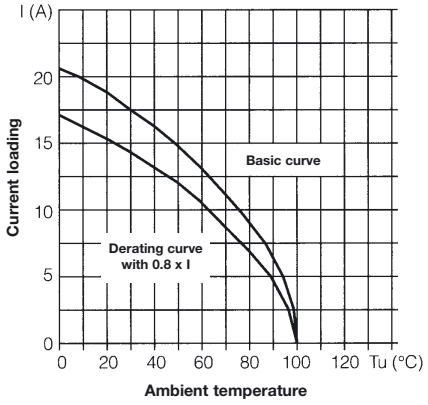
1) additional colours on request
2) gold-plated contact plating on request
3) referred to 20°C ambient temperature, rated cross-section and max. poles
15) pitch 7.62 mm = 1000 V/6 kV

Ordering data: page 144-145, 149-150

Ordering data: page 146, 151




BLZ 7.50/12 with SL 7.50/12/90
Conductor H07V-K 2.5 $mm^2$




BLZ 7.62/12 mit SL 7.62/12/90
Conductor H07V-K 2.5 $mm^2$

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

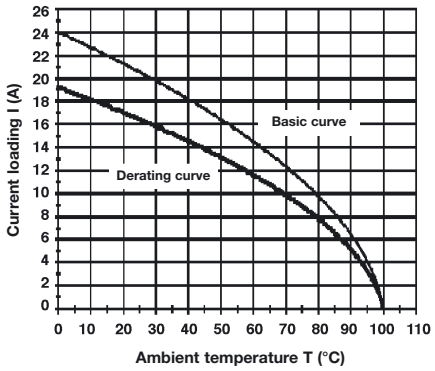
| Materials | | BLZF 7.50/7.62 SLZF 7.62 | | | BLZ 7.50/7.62 90°/270° | | |
|---|---|---|---|---|---|---|---|
| Insulation material | | PBT | | | PBT | | |
| Colour 1) | | orange, black | | | orange, black | | |
| Temperature range | °C | -20…+100 | | | -20…+100 | | |
| Flammability class. | UL94 | V-0 | | | V-0 | | |
| Contact base material | | Cu-alloy | | | Cu-alloy | | |
| Contact plating 2) | | tin-plated | | | tin-plated | | |
| **System characteristic values** | | | | | | | |
| Pitch | mm | 7.50/7.62 | | | 7.50/7.62 | | |
| Connection method | | tension clamp connection | | | clamping yoke connection | | |
| Solder pin length | mm | – | | | – | | |
| PCB hole diameter | Ømm | – | | | – | | |
| Insulation stripping length | mm | 7 | | | 7 | | |
| Clamping screw | M | – | | | 2.5 | | |
| Insulation resistance | MΩ | ≥$10^5$ | | | ≥$10^5$ | | |
| Through resistance | mΩ | ≤ 4.5 | | | ≤ 5.0 | | |
| Torque | Nm | – | | | 0.4… 0.5 | | |
| **Conductor size** | | | | | | | |
| Clamping range | $mm^2$ | 0.12… 2.5 | | | 0.08… 2.5 | | |
| "e" solid H05(07) V-U | $mm^2$ | 0.5… 2.5 | | | 0.5… 2.5 | | |
| "f" flexible H05(07) V-K | $mm^2$ | 0.5… 2.5 | | | 0.5… 2.5 | | |
| "f" with ferrule to DIN 46228/1 | $mm^2$ | 0.5… 2.5 | | | 0.5… 2.5 | | |
| … with plastic collar to DIN 46228/4 | $mm^2$ | 0.5… 1.5 | | | 0.5… 1.5 | | |
| **VDE 0110 1.89 rated data** | | | | | | | |
| Rated cross-section | $mm^2$ | 1.5 | | | 2.5 | | |
| Rated current 3) | A | 16 | | | 13 | | |
| **Overvoltage category / Pollution severity** | | **III/3** | **III/2** | **II/2** | **III/3** | **III/2** | **II/2** |
| Rated voltage | V | 500 | 630 | 800 | 500 | 800 | 800 |
| Impulse voltage | kV | 6.0 | 6.0 | 6.0 | 6.0 | 8.0 | 8.0 |
| **UL rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 300 | | | 300 | | |
| Rated current | A | 10 | | | 10 | | |
| AWG conductor (field wiring) | | 26… 14 | | | 22… 12 | | |
| **CSA rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 300 | | | 300 | | |
| Rated current | A | 10 | | | 10 | | |
| AWG conductor (field wiring) | | 26… 14 | | | 26… 12 | | |

**Application notes**

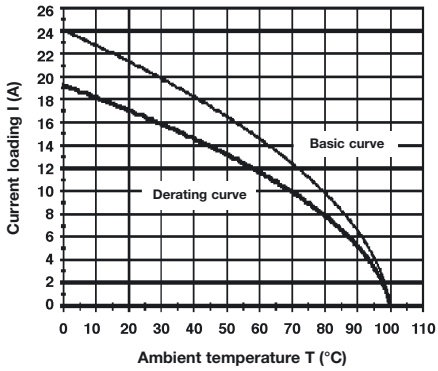
1) additional colours on request
2) gold-plated contact plating on request
3) referred to 20°C ambient temperature, rated cross-section and max. poles

Ordering data: page 146, 151, 153

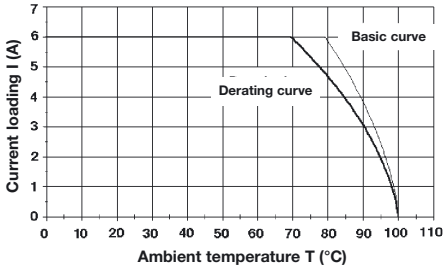
Ordering data: page 147-148, 152-153



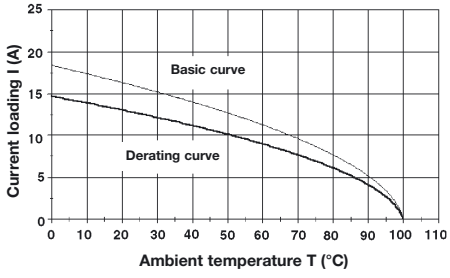

BLZF 7.50/12 with SL 7.50/12/90
Conductor H07V-K 2.5 $mm^2$




BLZF 7.62/12 with SL 7.62/12/90
Conductor H07V-K 2.5 $mm^2$




BLZ 7.50 90/270/12 with SL 7.50/12
Conductor H05V-K 0.5 $mm^2$




BLZ 7.62 90/270/12 with SL 7.62/12
Conductor H07V-K 2.5 $mm^2$

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

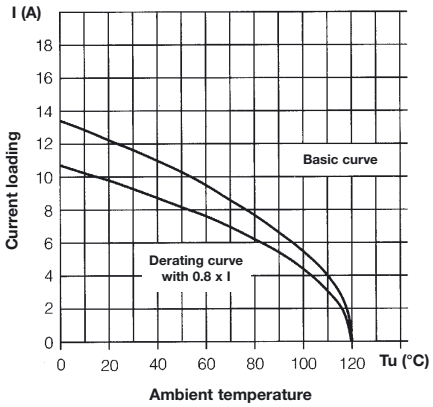
| Materials | | SLA | | | SLAD | | |
|---|---|---|---|---|---|---|---|
| Insulation material | | PBT glass-fibre reinforced | | | PBT glass-fibre reinforced | | |
| Colour 1) | | orange, black | | | orange, black | | |
| Temperature range | °C | -20... +120 | | | -20... +120 | | |
| Flammability class. | UL94 | V-0 | | | V-0 | | |
| Contact base material | | CuSn | | | CuSn | | |
| Contact plating 2) | | tin-plated | | | tin-plated | | |
| **System characteristic values** | | | | | | | |
| Pitch | mm | 5.08 | | | 5.08 7) | | |
| Connection method | | solder connection | | | solder connection | | |
| Solder pin length | mm | 3.2/4.5 | | | 3.2/4.5 | | |
| PCB hole diameter | Ømm | $1.3^{+0.1}$ | | | $1.3^{+0.1}$ | | |
| Insulation stripping length | mm | – | | | – | | |
| Clamping screw | M | – | | | – | | |
| Insulation resistance | MΩ | ≥ $10^5$ | | | ≥ $10^5$ | | |
| Through resistance | mΩ | ≤ 5.5 | | | ≤ 8.0 | | |
| Torque | Nm | – | | | – | | |
| **Conductor size** | | | | | | | |
| Clamping range | $mm^2$ | – | | | – | | |
| "e" solid H05(07) V-U | $mm^2$ | – | | | – | | |
| "f" flexible H05(07) V-K | $mm^2$ | – | | | – | | |
| "f" with ferrule to DIN 46228/1 | $mm^2$ | – | | | – | | |
| … with plastic collar to DIN 46228/4 | $mm^2$ | – | | | – | | |
| **VDE 0110 1.89 rated data** | | | | | | | |
| Rated cross-section | $mm^2$ | – | | | – | | |
| Rated current 3) | A | 10 | | | 8 | | |
| **Overvoltage category / Pollution severity** | | **III/3** | **III/2** | **II/2** | **III/3** | **III/2** | **II/2** |
| Rated voltage | V | 250 | 400 | 400 | 250 | 400 | 400 |
| Impulse voltage | kV | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| **UL rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 300 | | | 300 | | |
| Rated current | A | 10 | | | 10 | | |
| AWG conductor (field wiring) | | – | | | – | | |
| **CSA rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 300 | | | 300 | | |
| Rated current | A | 10 | | | 7 | | |
| AWG conductor (field wiring) | | – | | | – | | |

**Application notes**

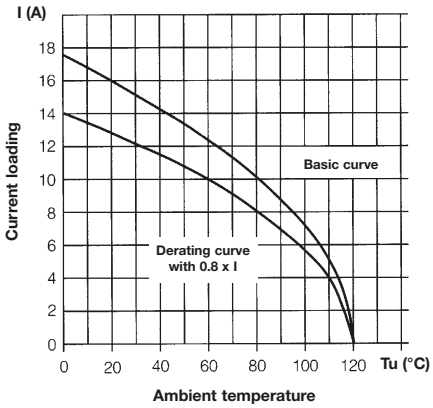
1) additional colours on request
2) gold-plated contact plating on request
3) referred to 20°C ambient temperature, rated cross-section and max. poles
7) row distance see layout on product pages 157-158

Ordering data: page 156-157

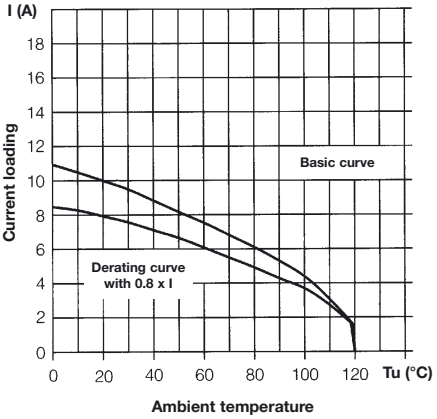
Ordering data: page 157-158




BLA 24 with SLA 24
Conductor H07V-K 1.5 $mm^2$




BLA 3 with SLA 3
Conductor H07V-K 1.5 $mm^2$




2 x BLA 12 with SLAD 24/90
Conductor H07V-K 1.5 $mm^2$

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

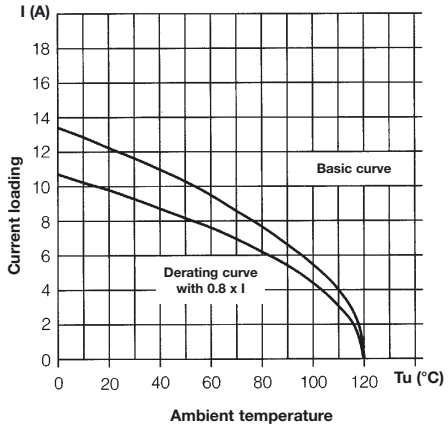
| Materials | | BLA | | | BLAC | | |
|---|---|---|---|---|---|---|---|
| | | | | | DFFC contact system | | |
| Insulation material | | PBT glass-fibre reinforced | | | PBT glass-fibre reinforced | | |
| Colour 1) | | orange, black | | | orange, black | | |
| Temperature range | °C | -20... +120 | | | -20... +120 | | |
| Flammability class. | UL94 | V-0 | | | V-0 | | |
| Contact base material | | CuSn | | | Cu-alloy | | |
| Contact plating 2) | | tin-plated | | | tin-plated | | |
| **System characteristic values** | | | | | | | |
| Pitch | mm | 5.08 | | | 5.08 | | |
| Connection method | | clamping yoke connection | | | crimp connection (Snap-In) | | |
| Solder pin length | mm | – | | | – | | |
| PCB hole diameter | Ømm | – | | | – | | |
| Insulation stripping length | mm | 7 | | | 5 | | |
| Clamping screw | M | 2.5 | | | – | | |
| Insulation resistance | MΩ | ≥ $10^5$ | | | ≥ $10^5$ | | |
| Through resistance | mΩ | ≤ 5.5 | | | ≤ 2.4 | | |
| Torque | Nm | 0.4… 0.5 | | | – | | |
| **Conductor size** | | | | | 10) | | |
| Clamping range | $mm^2$ | 0.13... 2.5 | | | 0.22... 2.5 | | |
| "e" solid H05(07) V-U | $mm^2$ | 0.5... 2.5 | | | – | | |
| "f" flexible H05(07) V-K | $mm^2$ | 0.5... 1.5 | | | 0.5... 2.5 | | |
| "f" with ferrule to DIN 46228/1 | $mm^2$ | 0.5... 1.5 | | | – | | |
| … with plastic collar to DIN 46228/4 | $mm^2$ | 0.5... 1.5 | | | – | | |
| **VDE 0110 1.89 rated data** | | | | | | | |
| Rated cross-section | $mm^2$ | 2.5 | | | 2.5 10) | | |
| Rated current 3) | A | 10 | | | 14 | | |
| **Overvoltage category / Pollution severity** | | **III/3** | **III/2** | **II/2** | **III/3** | **III/2** | **II/2** |
| Rated voltage | V | 250 | 400 | 400 | 250 | 400 | 400 |
| Impulse voltage | kV | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| **UL rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 300 | | | 300 | | |
| Rated current | A | 10 | | | 10 | | |
| AWG conductor (field wiring) | | 22… 12 | | | 22… 14 | | |
| **CSA rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 300 | | | 300 | | |
| Rated current | A | 10 | | | 10 | | |
| AWG conductor (field wiring) | | 26… 12 | | | 20… 14 | | |

**Application notes**

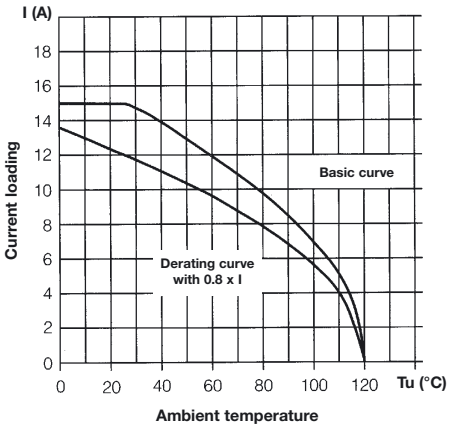
1) additional colours on request
2) gold-plated contact plating on request
3) referred to 20°C ambient temperature, rated cross-section and max. poles
10) depends on crimp contact used

Ordering data: page 159

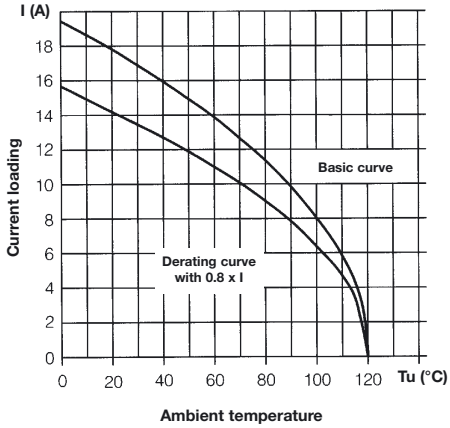
Ordering data: page 160-161




BLA 24 with SLA 24
Conductor H07V-K 1.5 $mm^2$




BLAC 8 with SLA 8
Conductor H05V-K 1.0 $mm^2$




BLAC 8 with SLA 8
Conductor H07V-K 2.5 $mm^2$

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

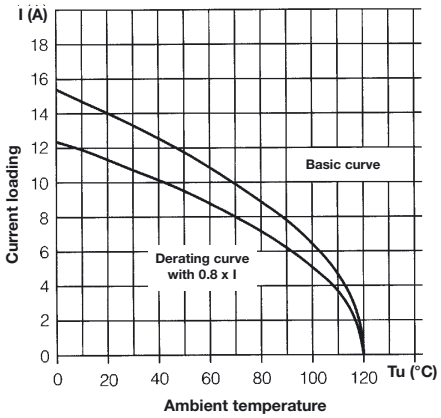
| Materials | | BLAT | | | SLAS | | |
|---|---|---|---|---|---|---|---|
| Insulation material | | PBT glass-fibre reinforced | | | PBT glass-fibre reinforced | | |
| Colour 1) | | orange, black | | | orange, black | | |
| Temperature range | °C | -20... +120 | | | -20... +120 | | |
| Flammability class. | UL94 | V-0 | | | V-0 | | |
| Contact base material | | CuSn | | | CuSn | | |
| Contact plating 2) | | tin-plated | | | tin-plated | | |
| **System characteristic values** | | | | | | | |
| Pitch | mm | 5.08 | | | 5.08 | | |
| Connection method | | TOP connection | | | clamping yoke connection | | |
| Solder pin length | mm | – | | | – | | |
| PCB hole diameter | Ømm | – | | | – | | |
| Insulation stripping length | mm | 7 | | | 7 | | |
| Clamping screw | M | 2.5 | | | 2.5 | | |
| Insulation resistance | MΩ | ≥ $10^6$ | | | ≥ $10^6$ | | |
| Through resistance | mΩ | ≤ 5.5 | | | ≤ 5.0 | | |
| Torque | Nm | 0.4… 0.5 | | | 0.4… 0.5 | | |
| **Conductor size** | | | | | | | |
| Clamping range | $mm^2$ | 0.13… 1.5 | | | 0.13… 2.5 | | |
| "e" solid H05(07) V-U | $mm^2$ | 0.5… 1.5 | | | 0.5… 2.5 | | |
| "f" flexible H05(07) V-K | $mm^2$ | 0.5… 1.5 | | | 0.5… 1.5 | | |
| "f" with ferrule to DIN 46228/1 | $mm^2$ | 0.5… 1.5 | | | 0.5… 1.5 | | |
| … with plastic collar to DIN 46228/4 | $mm^2$ | 0.5… 1.5 | | | 0.5… 1.5 | | |
| **VDE 0110 1.89 rated data** | | | | | | | |
| Rated cross-section | $mm^2$ | 1.5 | | | 2.5 | | |
| Rated current 3) | A | 10 | | | 10 | | |
| **Overvoltage category / Pollution severity** | | **III/3** | **III/2** | **II/2** | **III/3** | **III/2** | **II/2** |
| Rated voltage | V | 250 | 400 | 400 | 250 | 400 | 400 |
| Impulse voltage | kV | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 |
| **UL rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 300 | | | 300 | | |
| Rated current | A | 10 | | | 10 | | |
| AWG conductor (field wiring) | | 22… 12 | | | 22… 12 | | |
| **CSA rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 300 | | | 300 | | |
| Rated current | A | 10 | | | 10 | | |
| AWG conductor (field wiring) | | 26… 12 | | | 26… 12 | | |

**Application notes**

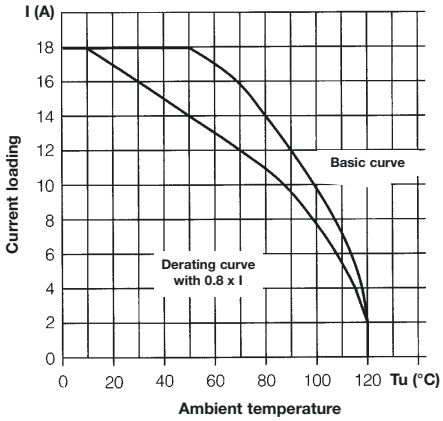
1) additional colours on request
2) gold-plated contact plating on request
3) referred to 20°C ambient temperature, rated cross-section and max. poles

Ordering data: page 159-160

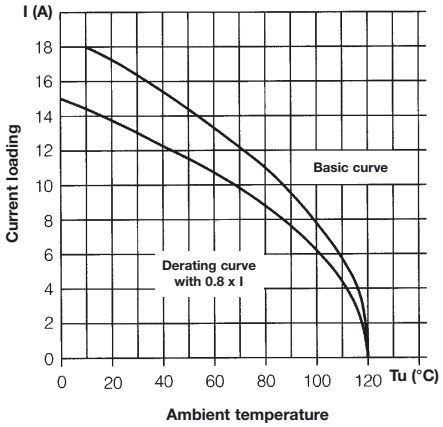
Ordering data: page 177




BLAT 24 with SLA 24
Conductor H07V-K 1.5 $mm^2$




BLA 4 with SLAS 4
Conductor H07V-K 1.5 $mm^2$




BLA 24 with SLAS 24
Conductor H07V-K 1.5 $mm^2$

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

| Materials | | STVS L | | | STVS S | | |
|---|---|---|---|---|---|---|---|
| Insulation material | | PA 66/6 (Wemid) | | | PA 66/6 (Wemid) | | |
| Colour 1) | | grey | | | grey | | |
| Temperature range | °C | -20... +120 | | | -20... +120 | | |
| Flammability class. | UL94 | V-0 | | | V-0 | | |
| Contact base material | | CuZn | | | Cu-alloy | | |
| Contact plating 2) | | silver-plated | | | silver-plated | | |
| **System characteristic values** | | | | | | | |
| Pitch | mm | 7.00 | | | 7.00 | | |
| Connection method | | solder connection | | | leaf spring connection | | |
| Solder pin length | mm | 3.2 | | | – | | |
| PCB hole diameter | Ømm | $1.6^{+0.1}$ | | | – | | |
| Insulation stripping length | mm | – | | | 8 | | |
| Clamping screw | M | – | | | 3 | | |
| Insulation resistance | MΩ | ≥ $10^3$ | | | ≥ $10^3$ | | |
| Through resistance | mΩ | ≤ 2.7 | | | ≤ 6.0 | | |
| Torque | Nm | – | | | 0.5 ...0.6 | | |
| **Conductor size** | | | | | | | |
| Clamping range | $mm^2$ | – | | | 0.5... 4.0 | | |
| "e" solid H05(07) V-U | $mm^2$ | – | | | 0.5... 4.0 | | |
| "f" flexible H05(07) V-K | $mm^2$ | – | | | 0.5... 4.0 | | |
| "f" with ferrule to DIN 46228/1 | $mm^2$ | – | | | 0.5... 4.0 | | |
| ... with plastic collar to DIN 46228/4 | $mm^2$ | – | | | 0.5... 4.0 | | |
| **VDE 0110 1.89 rated data** | | | | | | | |
| Rated cross-section | $mm^2$ | – | | | 4.0 | | |
| Rated current 3) | A | 18 | | | 32 | | |
| **Overvoltage category / Pollution severity** | | **III/3** | **III/2** | **II/2** | **III/3** | **III/2** | **II/2** |
| Rated voltage | V | 500 | 630 | 1000 | 500 | 630 | 1000 |
| Impulse voltage | kV | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| **UL rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 300 | | | 600 | | |
| Rated current | A | 14 | | | 25 | | |
| AWG conductor (field wiring) | | – | | | 22... 12 | | |
| **CSA rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 300 | | | 600 | | |
| Rated current | A | 14 | | | 25 | | |
| AWG conductor (field wiring) | | – | | | 20... 12 | | |

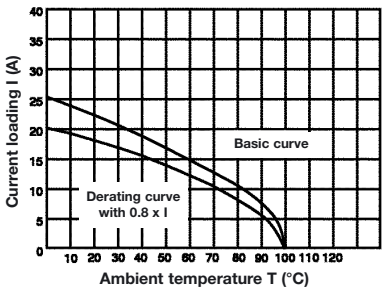
**Application notes**

1) additional colours on request
2) gold-plated contact plating on request
3) referred to 20°C ambient temperature, rated cross-section and max. poles

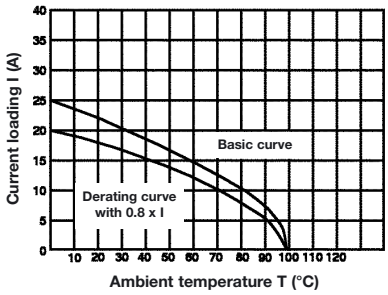
Ordering data: page 164-165

Ordering data: page 166

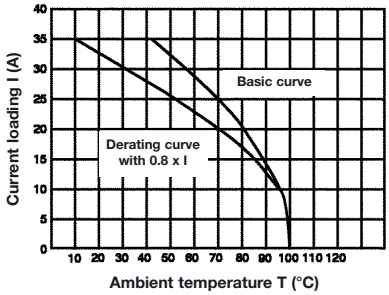
**STV S 2...10 L 90°**




**STV S 2...10 L 180°**




**STV S 2...10 S mit H07V-K4**




For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

| Materials | | STVS T | | | STW S | | |
|---|---|---|---|---|---|---|---|
| Insulation material | | PA 66/6 (Wemid) | | | PA 66/6 (Wemid) | | |
| Colour 1) | | grey | | | grey | | |
| Temperature range | °C | -20... +120 | | | -20... +120 | | |
| Flammability class. | UL94 | V-0 | | | V-0 | | |
| Contact base material | | CuZn | | | Cu-alloy | | |
| Contact plating 2) | | silver-plated | | | silver-plated | | |
| **System characteristic values** | | | | | | | |
| Pitch | mm | 7.00 | | | 7.00 | | |
| Connection method | | TOP connection | | | leaf spring connection | | |
| Solder pin length | mm | – | | | – | | |
| PCB hole diameter | Ømm | – | | | – | | |
| Insulation stripping length | mm | 14 | | | 8 | | |
| Clamping screw | M | 3 | | | 3 | | |
| Insulation resistance | MΩ | ≥ $10^3$ | | | ≥ $10^9$ | | |
| Through resistance | mΩ | ≤ 3.6 | | | ≤ 3.6 | | |
| Torque | Nm | 0.5 …0.6 | | | 0.5 …0.6 | | |
| **Conductor size** | | | | | | | |
| Clamping range | $mm^2$ | 0.5... 2.5 | | | 0.5... 4.0 | | |
| "e" solid H05(07) V-U | $mm^2$ | 0.5... 2.5 | | | 0.5... 4.0 | | |
| "f" flexible H05(07) V-K | $mm^2$ | 0.5... 2.5 | | | 0.5... 4.0 | | |
| "f" with ferrule to DIN 46228/1 | $mm^2$ | 0.5... 2.5 | | | 0.5... 4.0 | | |
| … with plastic collar to DIN 46228/4 | $mm^2$ | 0.5... 2.5 | | | 0.5... 4.0 | | |
| **VDE 0110 1.89 rated data** | | | | | | | |
| Rated cross-section | $mm^2$ | 2.5 | | | 4.0 | | |
| Rated current 3) | A | 22 | | | 28 | | |
| **Overvoltage category / Pollution severity** | | **III/3** | **III/2** | **II/2** | **III/3** | **III/2** | **II/2** |
| Rated voltage | V | 500 | 630 | 1000 | 500 | 630 | 1000 |
| Impulse voltage | kV | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
| **UL rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 600 | | | 600 | | |
| Rated current | A | 17 | | | 25 | | |
| AWG conductor (field wiring) | | 22... 14 | | | 22... 12 | | |
| **CSA rated data** | | | | | | | |
| Rated voltage, industrial | V~ | 600 | | | 600 | | |
| Rated current | A | 17 | | | 25 | | |
| AWG conductor (field wiring) | | 20... 14 | | | 20... 12 | | |

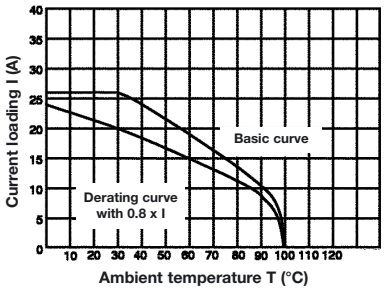
**Application notes**

1) additional colours on request
2) gold-plated contact plating on request
3) referred to 20°C ambient temperature, rated cross-section and max. poles

Ordering data: page 166-167

Ordering data: page 167

**STV S 2...10 T mit H07V-K2,5**






For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

| Materials | | RSV 1.6 LS/LSF/LB/LBF | | |
|---|---|---|---|---|
| Insulation material | | PA 66/6 (Wemid) | | |
| Colour 1) | | grey | | |
| Temperature range | °C | -20... +120 | | |
| Flammability class. | UL94 | V-0 | | |
| Contact base material | | Cu-alloy | | |
| Contact plating | | tin-plated/gold-plated | | |
| **System characteristic values** | | | | |
| Pitch / Row distance 7) | mm | 5.00/5.00 | | |
| Connection method | | solder connection | | |
| Solder pin length | mm | 3.2/4.5 | | |
| PCB hole diameter | Ømm | $1.3^{+0.1}$ | | |
| Insulation stripping length | mm | – | | |
| Clamping screw | M | – | | |
| Insulation resistance | MΩ | ≥ $10^3$ | | |
| Through resistance | mΩ | ≤ 5.0 | | |
| Torque | Nm | – | | |
| **Conductor size** | | | | |
| Clamping range | $mm^2$ | – | | |
| "e" solid H05(07) V-U | $mm^2$ | – | | |
| "f" flexible H05(07) V-K | $mm^2$ | – | | |
| "f" with ferrule to DIN 46228/1 | $mm^2$ | – | | |
| … with plastic collar to DIN 46228/4 | $mm^2$ | – | | |
| **VDE 0110 1.89 rated data** | | | | |
| Rated cross-section | $mm^2$ | – | | |
| Rated current 3) | A | 10 | | |
| **Overvoltage category / Pollution severity** | | **III/3** | **III/2** | **II/2** |
| Rated voltage | V | 250 | 400 | 630 |
| Impulse voltage | kV | 4.0 | 4.0 | 4.0 |
| **UL rated data** | | | | |
| Rated voltage, industrial | V~ | 300 | | |
| Rated current | A | 10 | | |
| AWG conductor (field wiring) | | – | | |
| **CSA rated data** | | | | |
| Rated voltage, industrial | V~ | 300 | | |
| Rated current | A | 13 | | |
| AWG conductor (field wiring) | | – | | |

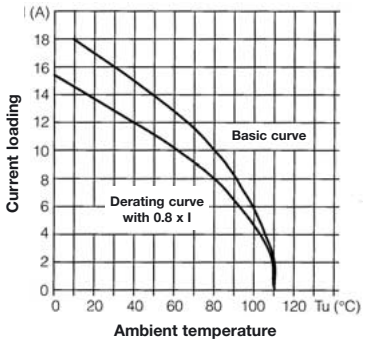
**Application notes**

1) additional colours on request

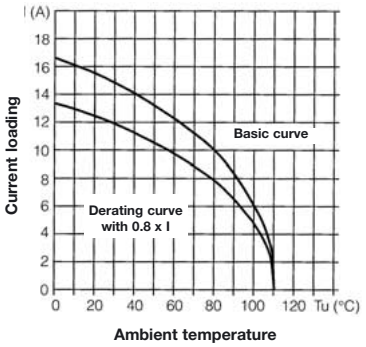
3) referred to 20°C ambient temperature, rated cross-section and max. poles

7) row distance see layout on product pages 170-171

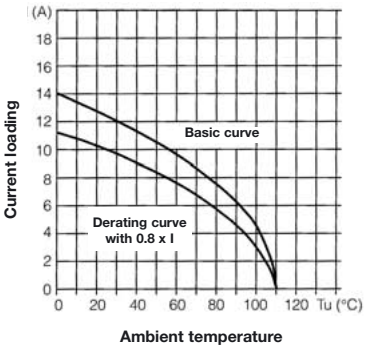
Ordering data: page 170-171




RSV 1.6 CS on solder socket strip, 6 poles
Conductor H07V-K1.5 $mm^2$




RSV 1.6 CS on solder socket strip, 12 poles
Conductor H07V-K1.5 $mm^2$

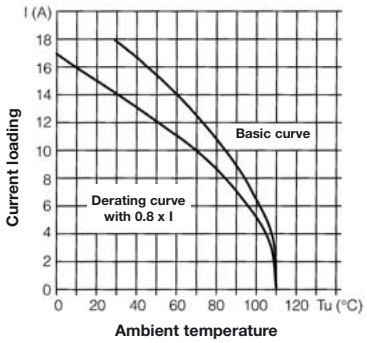



RSV 1.6 CS on solder socket strip, 36 poles
Conductors H07V-K1.5 $mm^2$

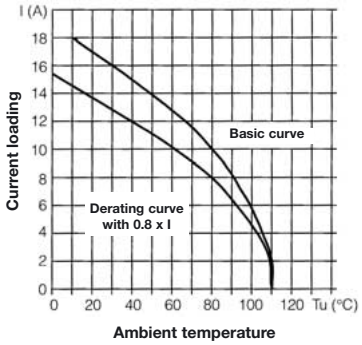
For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

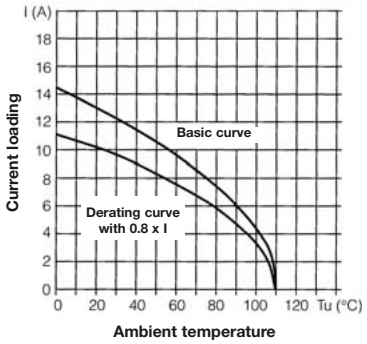
| Materials | | RSV 1.6 B/S Contact system **CB/CS** | RSV 1.6 B/S Contact system **GB/GS** |
|---|---|---|---|
| Insulation material | | PA 66/6 (Wemid) | PA 66/6 (Wemid) |
| Colour 1) | | grey | grey |
| Temperature range | °C | -20…+120 | -20…+120 |
| Flammability class. | UL94 | V-0 | V-0 |
| Contact base material | | CuZn | CuZn |
| Contact plating | | tin-plated/gold-plated | tin-plated/gold-plated |
| **System characteristic values** | | | |
| Pitch / Row distance 7) | mm | 5.00/5.08 | 5.00/5.08 |
| Connection method | | crimp connection (Snap-In) | crimp connection (Snap-In) |
| Solder pin length | mm | – | – |
| PCB hole diameter | Ømm | – | – |
| Insulation stripping length | mm | 4.0 | 4.0 |
| Clamping screw | M | – | – |
| Insulation resistance | MΩ | ≥$10^3$ | ≥$10^3$ |
| Through resistance | mΩ | ≤ 4.0 | ≤ 4.0 |
| Torque | Nm | – | – |
| **Conductor size 10)** | | | |
| Clamping range | $mm^2$ | 0.14… 2.5 | 0.32… 1.5 |
| "e" solid H05(07) V-U | $mm^2$ | – | – |
| "f" flexible H05(07) V-K | $mm^2$ | 0.5… 2.5 | 0.5… 1.5 |
| "f" with ferrule to DIN 46228/1 | $mm^2$ | – | – |
| … with plastic collar to DIN 46228/4 | $mm^2$ | – | – |
| **VDE 0110 1.89 rated data** | | | |
| Rated cross-section 10) | $mm^2$ | 2.5 | 1.5 |
| Rated current 3) | A | 13 | 10 |
| **Overvoltage category / Pollution severity** | | **III/3 III/2 II/2** | **III/3 III/2 II/2** |
| Rated voltage | V | 320 400 630 | 320 400 630 |
| Impulse voltage | kV | 4.0 4.0 4.0 | 4.0 4.0 4.0 |
| **UL rated data** | | | |
| Rated voltage, industrial | V~ | 600 | 600 |
| Rated current | A | 10 | 10 |
| AWG conductor (field wiring) | | 26… 12 | 26… 12 |
| **CSA rated data** | | | |
| Rated voltage, industrial | V~ | 600 | 600 |
| Rated current | A | 13 | 13 |
| AWG conductor (field wiring) | | 20… 12 | 20… 12 |
| **Application notes** | | | |
| 1) additional colours on request | | Ordering data: page 172-173 | Ordering data: page 172-173 |
| 3) referred to 20°C ambient temperature, rated cross-section and max. poles | | | |
| 7) row distance see layout on product pages 172-173 | | | |
| 10) depends on crimp contact used | | | |




4 pole pin and socket housing
Conductor H07V-K1.5 $mm^2$




12 pole pin and socket housing
Conductor H07V-K1.5 $mm^2$



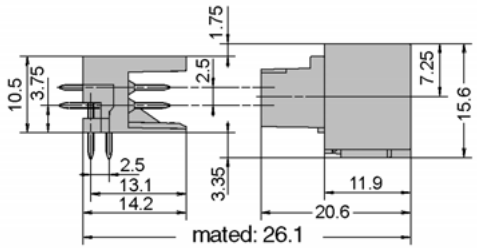

36 pole pin and socket housing
Conductor H07V-K1.5 $mm^2$

For the mounting of PCBs, it should be noted that the rated data given in the catalogue relate only to the connection elements. The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to VDE 0110. The current-carrying capacity is to be determined according to DIN IEC 326 part 3.

Weidmueller connectors are tested according to the DIN VDE 0627 standard, and are valid for its field of applications. Provided that the connectors are used for the intended purpose, all requirements with respect to the occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

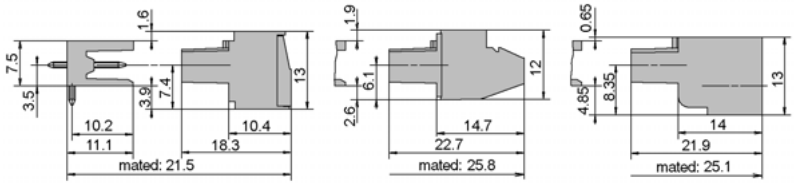
## Minimate Range

### S2L 3.5 B2L 3.5 180

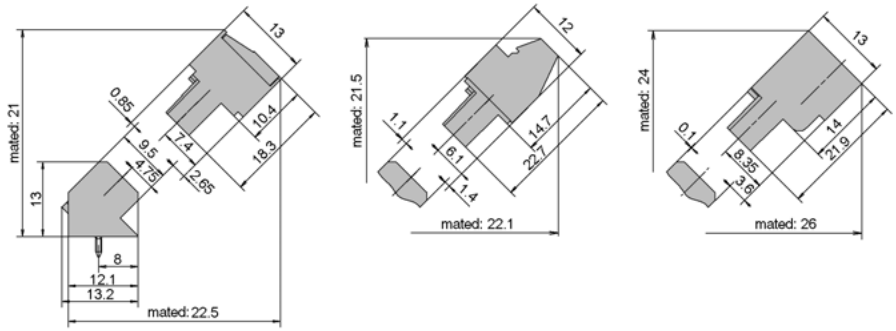



## Omnimate Range

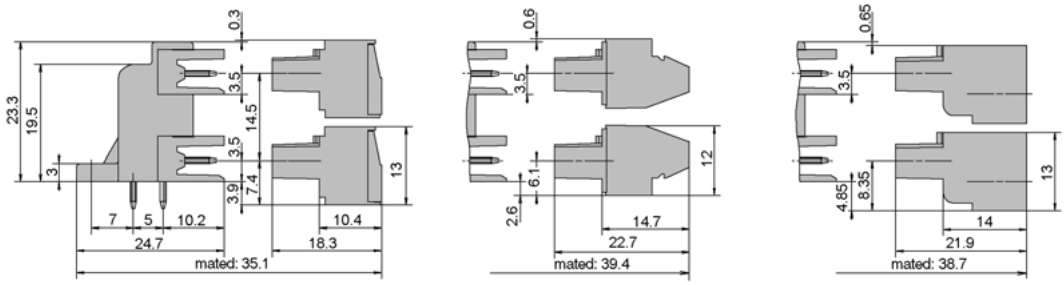
### SL 3.5 90/180 BL 3.5 180 BL 3.5 90/270 BLZF 3.5 180



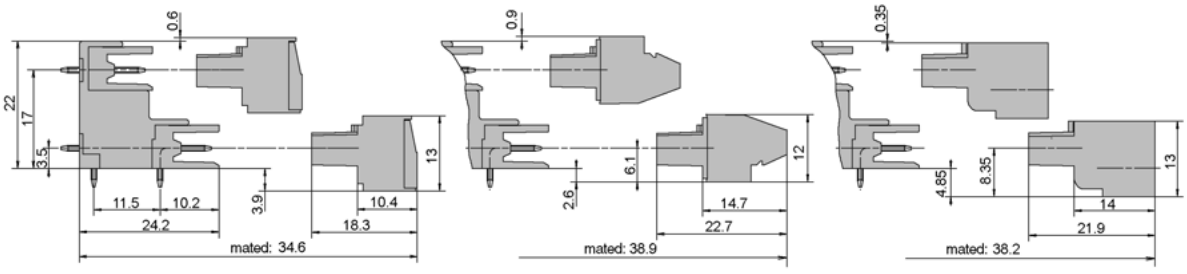

### SL 3.5 135 BL 3.5 180 BL 3.5 90/270 BLZF 3.5 180




### SLD 3.5 90 BL 3.5 180 BL 3.5 90/270 BLZF 3.5 180



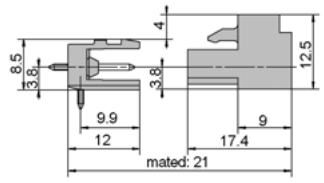

### SLD 3.5V 90/180 BL 3.5 180 BL 3.5 90/270 BLZF 3.5 180



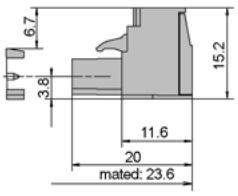
Omnimate Range

## SL 90/180

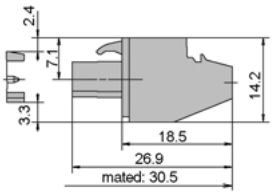
### BL 180



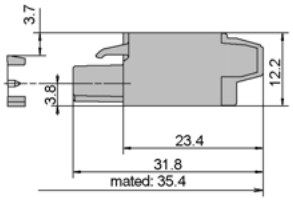

### BLZ 180



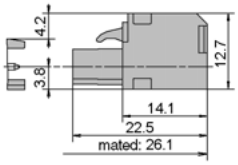

### BLZ 90/270



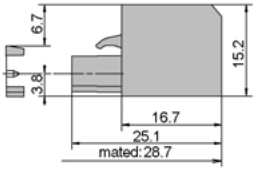

### BLT



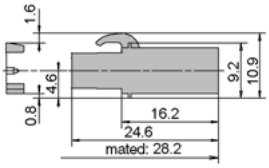

### BLZF modular



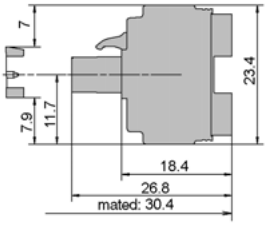

### BLZF block



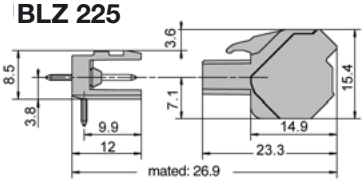

### BLC




### BLDT

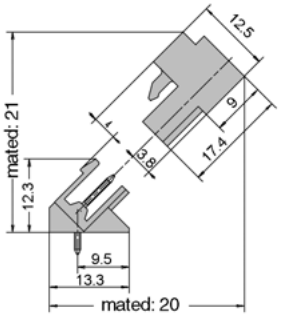



### BLZ 225

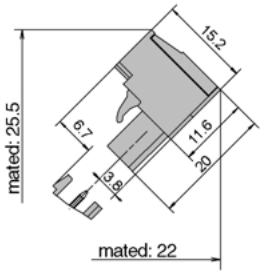



## SL 135

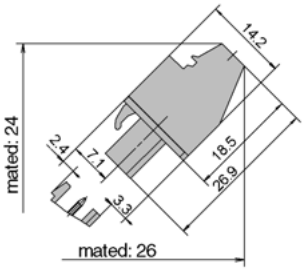
### BL 180



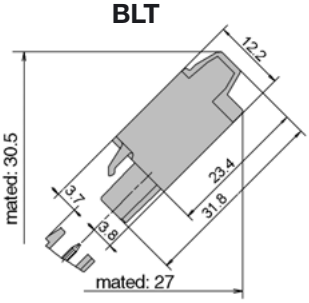

### BLZ 180



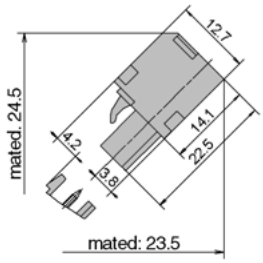

### BLZ 90/270



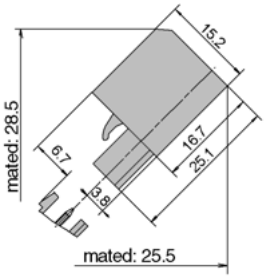

### BLT



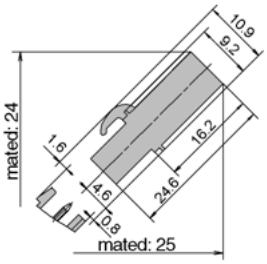

### BLZF modular




### BLZF block

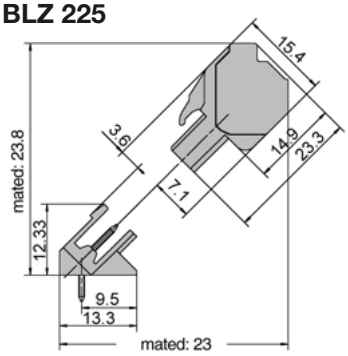



### BLC




### BLDT

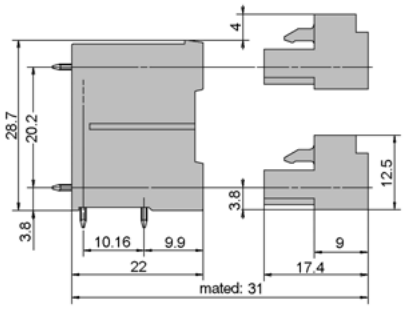

### BLZ 225



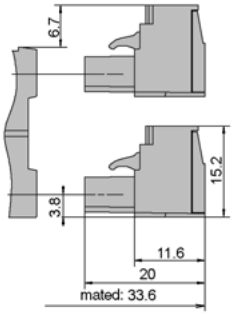
Omnimate Range

## SLD R20 90/180

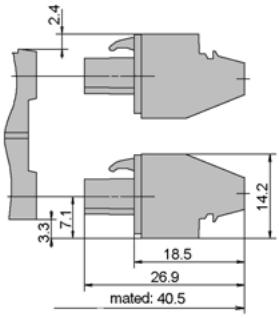
### BL 180



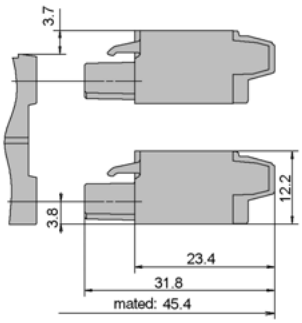

### BLZ 180



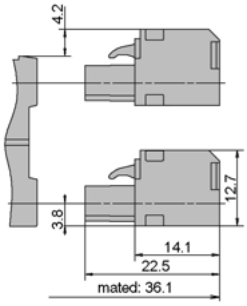

### BLZ 90/270



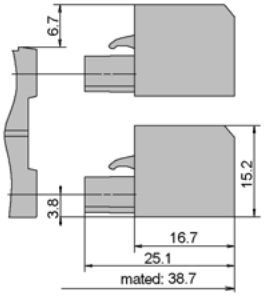

### BLT



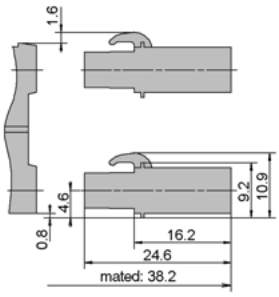

### BLZF modular



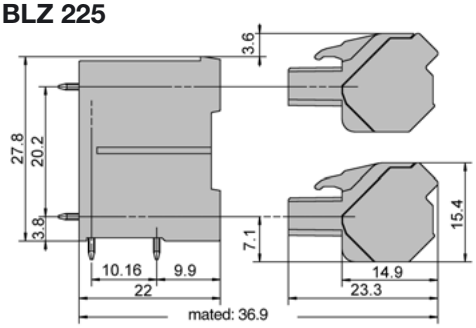

### BLZF block




### BLC

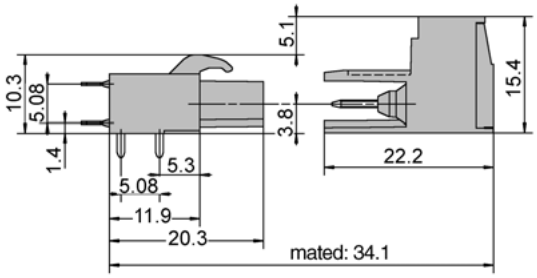



### BLZ 225

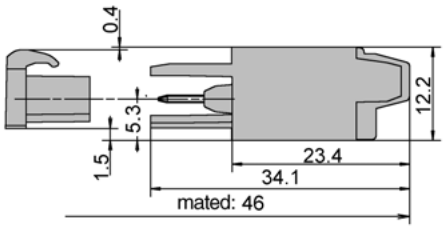



## BLL 90/180

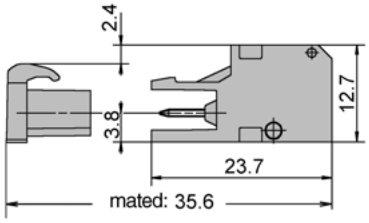
### SLS




### SLT



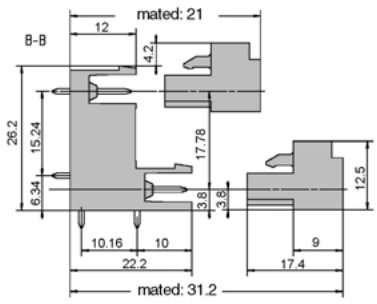

### SLZF modular



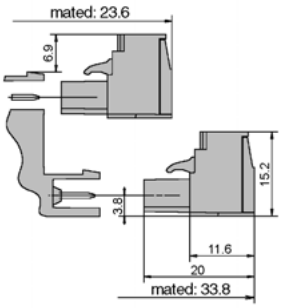
## Omnimate Range

### SLD 5.08V

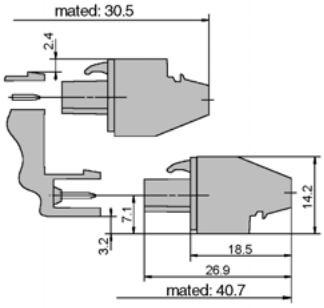
BL180



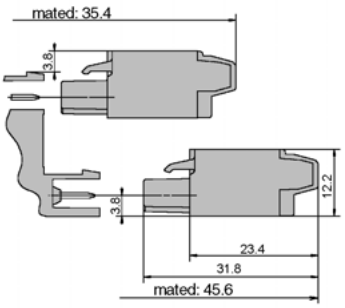

BLZ 180



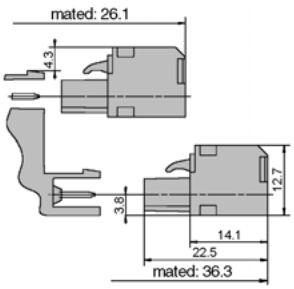

BLZ 90/270



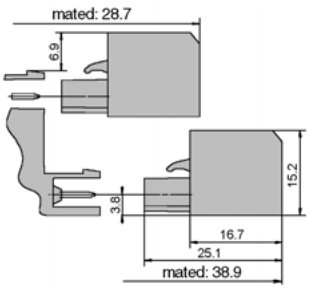

BLT



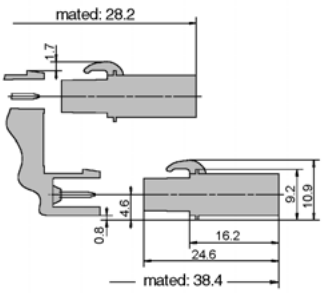

BLZF modular




BLZF block



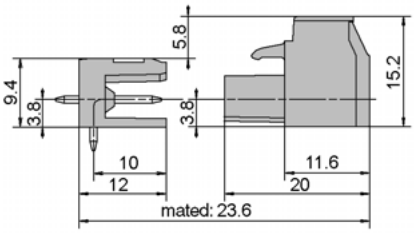

BLC



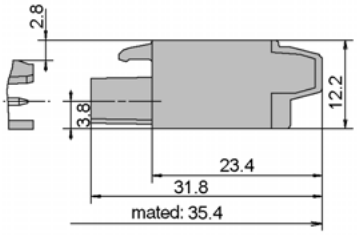

## Unimate Range

### SLA 90/180

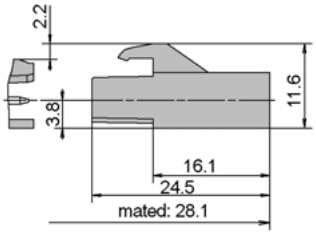
BLA 180




BLAT

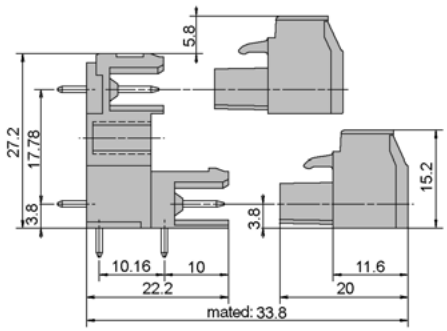



BLAC R

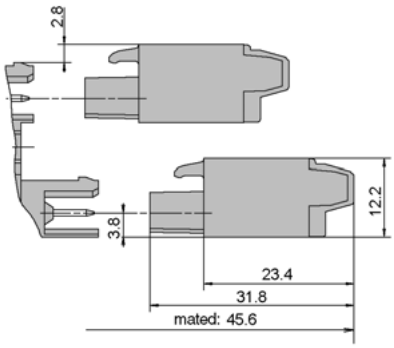



### SLAD 90/180

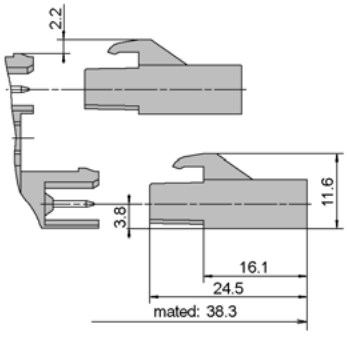
BLA 180




BLAT

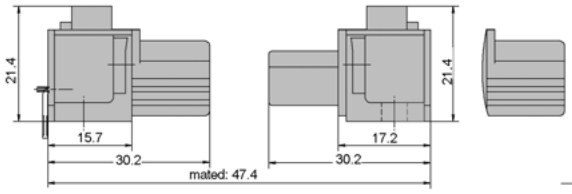



BLAC R



## Powermate Range

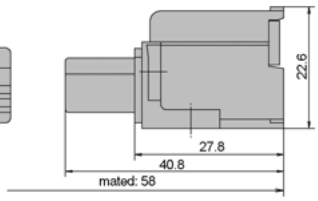
### STV S LS 90/180



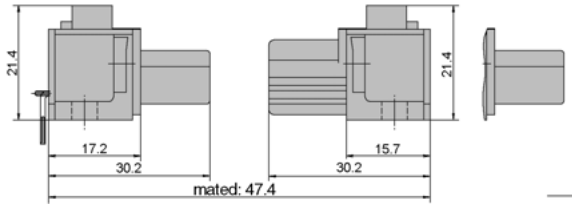

### STV S SB




### STV S TB



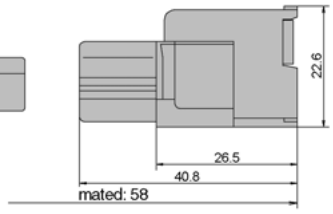

### STV S LB 90/180




### STV S SS

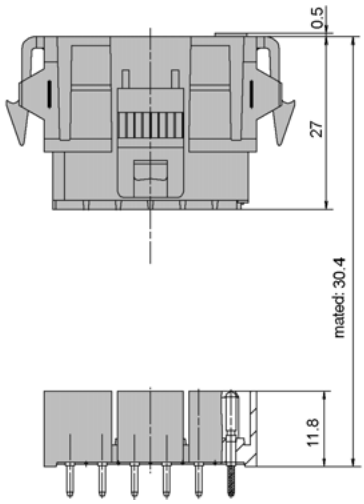



### STV S TS

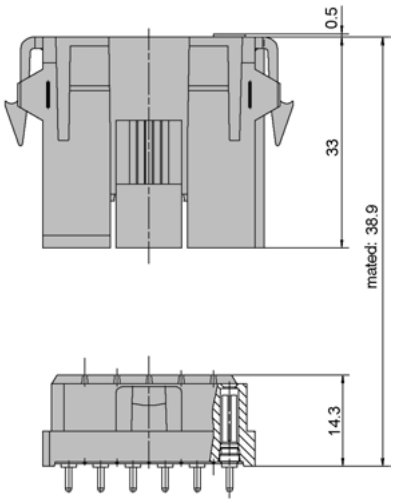



## Crimpmate Range

### RSV 1.6 B




### RSV 1.6 S




### RSV 1.6 LS

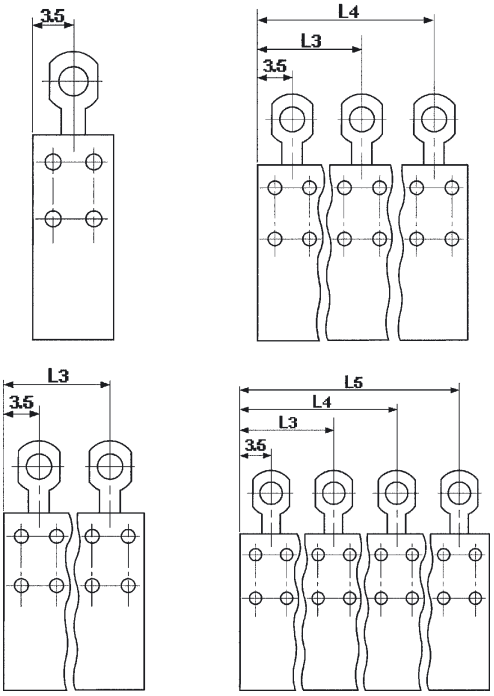
### RSV 1.6 LB

Omnimate Range

3.50

## For fixing the pin header to the board

SLD 3.50/90
SLD 3.50/90 G
SLD 3.50/90 F



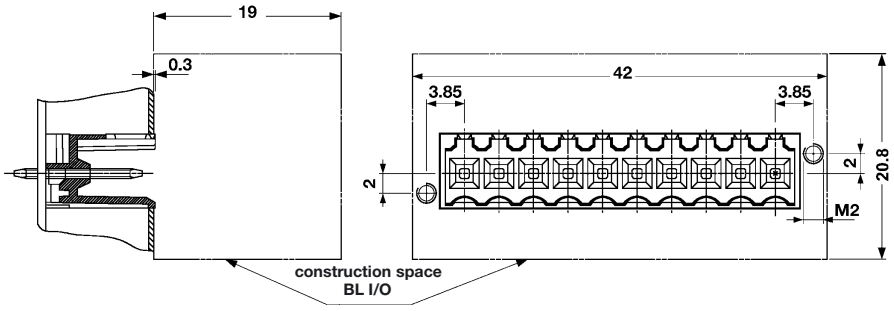

## Dimensions for fixing flanges

| Poles | Number of fixing flanges | length (mm) L3 | L4 | L5 |
|---|---|---|---|---|
| 4 | 1 | – | – | – |
| 6 | 1 | – | – | – |
| 8 | 2 | 10.5 | – | – |
| 10 | 2 | 14.0 | – | – |
| 12 | 2 | 17.5 | – | – |
| 14 | 2 | 21.0 | – | – |
| 16 | 2 | 24.5 | – | – |
| 18 | 3 | 14.0 | 28.0 | – |
| 20 | 3 | 17.5 | 31.5 | – |
| 22 | 3 | 17.5 | 35.0 | – |
| 24 | 3 | 21.0 | 38.5 | – |
| 26 | 3 | 21.0 | 42.0 | – |
| 28 | 3 | 24.5 | 45.5 | – |
| 30 | 3 | 24.5 | 49.0 | – |
| 32 | 3 | 28.0 | 52.5 | – |
| 34 | 4 | 21.0 | 38.5 | 56.0 |
| 36 | 4 | 21.0 | 42.0 | 59.5 |
| 38 | 4 | 24.5 | 42.0 | 63.0 |
| 40 | 4 | 24.5 | 45.5 | 66.5 |
| 42 | 4 | 24.5 | 49.0 | 70.0 |
| 44 | 4 | 28.0 | 49.0 | 73.5 |
| 46 | 4 | 28.0 | 52.5 | 77.0 |
| 48 | 4 | 28.0 | 56.0 | 80.5 |



## Installation regulation front panel BL I/O 3.5

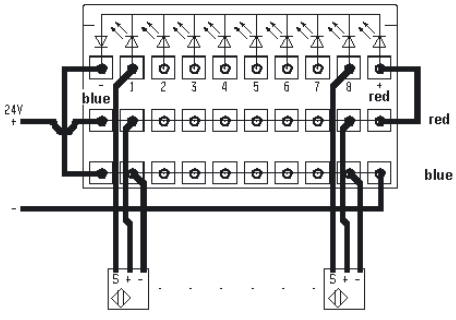
### SL 3.5




### BL I/O 3.5 180




## Connection BL I/O 3.5 / 30 LED



CERTIFICAZIONE ITALIANA DEI SISTEMI QUALITÀ AZIENDALI
ITALIAN CERTIFICATION OF COMPANIES QUALITY SYSTEMS
CISQ
a member of EQNET
CSQ
CERTIFICATO n. 9105.WE1D
CERTIFICATE No.
SI CERTIFICA CHE IL SISTEMA QUALITA' DI
WE HEREBY CERTIFY THAT THE QUALITY SYSTEM OPERATED BY
WEIDMULLER S.r.l.
Via Einstein, 4 - 20092 CINISELLO BALSAMO (MI)
UNITA' OPERATIVA
OPERATIVE UNIT
Via Einstein, 4 - 20092 CINISELLO BALSAMO (MI)
E CONFORME ALLA NORMA UNI EN 29001 ISO 9001
IS IN COMPLIANCE WITH THE STANDARD
PER I SEGUENTI TIPI DI PRODOTTI - PROCESS - SERVIZI
CONCERNING THE FOLLOWING KINDS OF PRODUCTS - PROCESSES - SERVICES
pellizzazione di unita' elettroniche per trasmissione, contr
condizionamento di segnali e dati su apparati per
particolari indicate dalla clientela
units for transmission, contr
on equipment for

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Nr. 12335
Weidmüller AB
Kvalitetssystemet vid
Weidmüller AB
Platser
Stockholm, Malmö, Göteborg, Sundsvall och Örebro
Verksamhet / Produkt
Försäljning av passiva/aktiva komponenter samt intelligenta moduler för process-, industri- och byggnadsautomation med ett sortiment som omfattar kopplingsklämmor, stickanslutningar, elektronikkomponenter, märksystem, lådor och kapslingar, apparater samt kundspecifikt montage av ovanstående
är i överensstämmelse enligt SS-EN ISO 9002 : 1994
SEMKO AB
Certifiering av kvalitetssystem
Per-Olov Olsson
SEMKO
An Inchcape Testing Services Company

KEMA
REGISTERED QUALI
(1) PRODUCTION QUAL
(2) Components
(3) KEMA 97ATEX02519
(4) This notification is issued for the
Terminal blocks and printed circu
protection increased safety "e"
(5) Applicant:
Weidmüller Interface GmbH & Co.
Paderbornerstraße 175
32760 Detmold
Germany
(6) Manufacturer:
as applicant
(7) KEMA, Notified Body No. 0344 fo
Council Directive 94/9/EC of March
manufacturer has a production qua
Directive.
(8) This notification is based on audit rep
This notification can be withdrawn
requirements of Annex IV.
Results of periodical re-assessment of
notification
(9) This notification is valid until 14 July 2
manufacturer does not satisfy the produ
(10) In accordance with Article 8 (3) of the
affixed with the CE marking.
Arnhem, 14 July 1997
by order of the Board of Directors of N.V
C.M. Boschloo
Certification Manager
N.V. KEMA
Utrechtseweg 310, 6812 AR Arnhem,
P.O. Box 9035, 6800 ET Arnhem, The Netherlands
Telephone +31 26 3 56 35 44, Telefax +31 26 3 51 0

E-Net
THE EUROPEAN NETWORK FOR QUALITY SYSTEM ASSESSMENT AND CERTIFICATION
Copia
This is to state that
WEIDMULLER, S.A.
CI NARCIS MONTURIOL, 11
08960 - SANT JUST DESVERN
(Barcelona)
holds the Quality System Certificate
AENOR Asociación Española de Normalización y Certificación
ER-007/1/95
for the standard from the
ISO 9000 / EN 29000
series, and the scope as specified therein
AEN
CISQ Italy
NCS

BRITISH STANDARDS INSTITUTION
BSI
REGISTERED FIRM
Certificate of Registration
This is to certify that
Weidmüller Ltd
Power Station Road, Sheerness
Kent ME12 3AB
hold Certificate No. FM 00673 and operate a quality management system which complies with the requirements of BS EN ISO 9001:1994 for the activities detailed in the scope of registration.
Originally registered 29 April 1986.
This certificate does not expire. To check its validity telephone +44 (0) 1908 220708
Director and General Manager
BSI Quality Assurance
BSI Quality Assurance PO Box 375 Milton Keynes United Kingdom MK14 6LL
Note: this is not a legal document and cannot be used
The British Standards Institution is incorporated by Royal Charter

TÜV CERT
ZERTIFI
Die TÜV CERT-Zertifizierungsstelle
Zertifizierungs- und Umweltgutachter
bescheinigt gemäß
TÜV CERT-Verfahren, daß das Un
Weidmüller GmbH &
D - 33102 Paderbo
für den Geltungsbereich
Vertrieb und Marketing von elektromechanisch
sowie Hardware - Bausteinen einschließlich Un
Schaffung von Lösungen in der Automatis
ein Qualitätsmanagementsystem eingeführ
Durch ein Audit, Bericht-Nr. 935
wurde der Nachweis erbracht, daß die F
DIN EN ISO 9001 : 1
erfüllt sind.
Dieses Zertifikat ist gültig bis Okto
Zertifikat-Registrier-Nr. 08 / 100 /
TGA-ZM-22-96-00
Hannover, den 21. Dezember 1999
TÜV NORD
ZERTIFIZIERUNGS- UND UMWELTGUTACHTER GESELLSCHAFT

GERMANISCHER LLOYD
1867
CESI
REGISTRO ITALIANO NAVALE
1861

# Weidmüller quality and environmental protection is your advantage


**Product approvals give confidence**

Approvals are a proof of the quality of our products. They are issued by independent institutions based on qualification tests and are a prerequisite for use in certain markets or fields of application.

**The competence of the accredited testing laboratory is confirmed**

The reliability of technical data is of primary importance for the user. The accreditation, given by a government agency, certifies organisation according to EN 45 001 and the competence to perform defined product assessment.

**Certifications confirm that we have quality under control**

Quality management in the Weidmueller production facilities is structured according to ISO 9000 ff. Certification documents from recognised and accredited agencies also facilitate their assessment of suppliers.

**Contracts with the independent institutions for regular monitoring of production facilities, quality management and the laboratory are proof of Weidmüller quality.**

**Award-winning Environmental Management demonstrate our high involvement.**

## Materials

Weidmueller products use insulating materials which have proved highly efficient in the electrical engineering sector.

All materials are subject to stringent quality control via a quality system certified according to DIN ISO 9001.

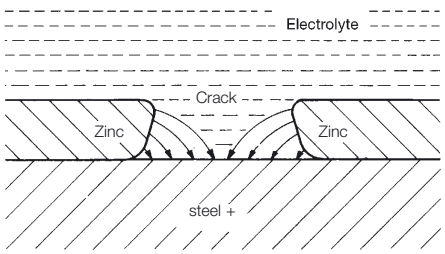
Environmental compatibility plays a decisive role in the selection of materials.

### Metal
All metals used by Weidmueller are selected, processed and surface treated using the latest technology.

### Steel
Steel components are zinc-plated provided with an additional passivation by a yellow chromate layer. The surface protection provided meets the highest requirements. The experience acquired from out-door climatic tests at various locations (maritime and tropical climates, industrial and standard atmospheres) has been used to enhance the quality of the surface protection.

This enhanced surface protection considerably increases resistance to corrosion even if the zinc plating is partially damaged by scratches or pores. Zinc reacts negatively to steel under the effects of electrolyte. The metal ions of the zinc migrate to the steel and give the base material lasting protection against corrosive attack.

### Conductive materials
Copper, brass and bronze are highly conductive and possess excellent mechanical properties. They are usually tin-lead plated for exceptional contact resistance.




In addition to its good electrical properties, the tin-lead plating offers excellent protection against corrosion.

Solder connections are also tin-lead plated. In order to ensure good solderability of the tin-lead plating even after long storage periods, brass parts are provided with an additional nickel layer as a diffusion barrier. This nickel layer effectively prevents the discharge of zinc atoms from the brass.

### Insulating materials

In order to meet the various demands on our products, it is necessary to use different types of insulating material to suit individual applications. All insulating materials used by Weidmueller are asbestos-free and contain no cadmium-based colour pigments.

### Thermoplastics

**Polyamide (PA)** is one of the most frequently used technical plastics. The advantages of this material are its good electrical and mechanical properties, flexibility and insusceptibility to fracture. Because of its chemical structure, this material also offers good fire resistance (inherent flame protection) without the use of flameproofing agents.

- flexible, insusceptibility to fracture
- good electrical and mechanical properties
- inherent flame protection

| | |
|---|---|
| Specific volume resistance: | $10^{12}$ Ω x cm |
| Dielectric strength: | 30 kV/mm |
| Tracking resistance (A): | 600 CTI |
| Temperature range: | -50 °C to +100 °C |
| Flammability class: | UL 94 V-2 |

**Wemid (PA)** is a modified thermoplastic whose properties are specially adjusted to meet the requirements of our products. The advantages compared to PA are improved fire protection and increased continuous service temperature.

- modified Thermoplastic
- increased continuous service temper.
- improved fire resistance
- halogen and phosphorous-free flameproofing agent
- no dioxin or furan forming substances

| | |
|---|---|
| Specific volume resistance: | $10^{12}$ Ω x cm |
| Dielectric strength: | 25 kV/mm |
| Tracking resistance (A): | 600 CTI |
| Temperature range: | -50 °C to +120 °C |
| Flammability class: | UL 94 V-0 |

**Thermoplastic Polyester (PBT)**
is used for connectors because of its excellent dimensional stability and high continuous service temperature.

Compared to other insulating materials, the tracking resistance is lower.

- high dimensional stability
- good electrical and mechanical properties
- no dioxin or furan forming substances

| | |
|---|---|
| Specific volume resistance: | $10^{13}$ Ω x cm |
| Dielectric strength: | 28 kV/mm |
| Tracking resistance (A): | 200 CTI |
| Temperature range: | -50 °C bis +110 °C |
| Flammability class: | UL 94 V-0 |

**Thermoplastic Polyester**
**(PBT glass fibre reinforced)**
offers excellent dimensional stability, very good mechanical properties and allows high continuous service temperature.

| | |
|---|---|
| Specific volume resistance: | $10^{13}$ Ω x cm |
| Dielectric strength: | 29 kV/mm |
| Tracking resistance (A): | 200 CTI |
| Temperature range: | -50 °C to +130 °C |
| Flammability class: | UL 94 V-0 |

The performance of individual products may vary from these material specification due to the moulded characteristics and to ensure the flexibility of the connection is not impared.

## Current carrying capacity curve (Derating curve)

Derating curves are shown in some product information and are available on most products. They provide a valuable guide to the currents that can be applied at varying ambient temperatures, below its upper temperature limit.

The upper temperature limit of a component is a rated value which is given from the materials used.

The sum from the ambient temperature and overtemperature (volume resistance dissipation) resulting from the current load must not exceed the upper temperature limit of the component in order not to damage the same. The current carrying capacity is therefore not a constant value but reduces with increasing component ambient temperature and is also influenced by the component geometry, pole number and the connected conductors.

The current carrying capacity is determined acc. to DIN IEC 60512 part 3.

For this purpose, the component temperatures $t_{b1}$, $t_{b2}$ … and ambient temperatures $t_{u1}$, $t_{u2}$ … are measured for three different load currents $I_1$, $I_2$, $I_3$, … For representation of the relationships between the load currents, component ambient temperature and component overtemperatures, the values are entered in a linear system of coordinates as shown in figure 1.

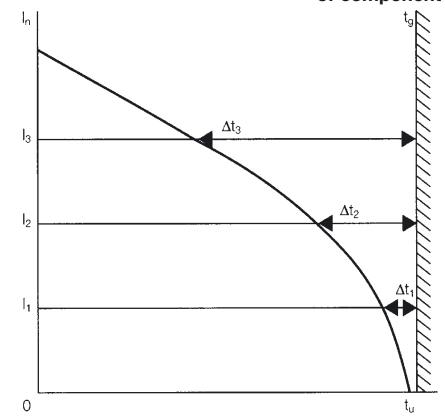
On the ordinate, the load currents are referenced to the abscissa of the ambient temperatures. A vertical on the abscissa of the upper temperature limit $t_g$ of the component concludes the system of coordinates..

For each current $I_1$, $I_2$, … the associated mean of the component overtemperatures $\Delta t_1 = t_{b1}-t_{u1}$, $\Delta t_2 = t_{b2}-t_{u2}$, are entered starting from the vertical towards the left. The points found in this way are joined to form a parabolic-shaped curve.

Because it is virtually impossible to select for measurement components with maximum permissible volume resistances, the basic curve must be reduced. Reduction of the load currents to 80% produces the derating curve in which the maximum permissible volume resistances and measurement uncertainties are taken into account in temperature measurements to enable practical application.

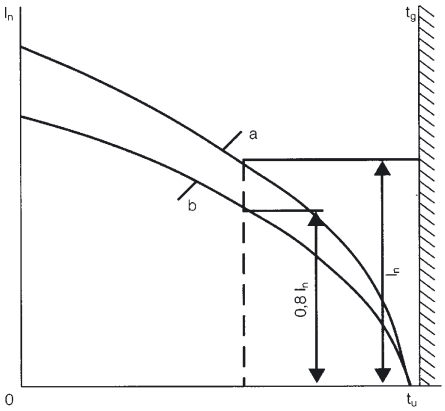
If the derating curve in the low ambient temperature range exceeds to the current resulting from the current carrying capacity of the conductor cross-sections to be connected, the derating curve is limited in this range to the smaller current.

**Basic curve**




$t_g$ = upper temperature limit of component
$t_u$ = component ambient temperature
$I_n$ = load current

**curve**




$t_g$ = upper temperature limit of component
$t_u$ = component ambient temperature
$I_n$ = load current
a = basic curve
b = reduced basic curve (derating curve)

## Termination Technologies

**Printed circuit board connectors** and **printed circuit board terminals** are passive, electro-mechanical components designed to establish a reliable connection between conductors.

Design specifications for terminal blocks are defined in the International standard IEC 947-7-1, European standard EN 60 947-7-1 and the German national standard VDE 0611, part 1.

These products consists of an insulator, connection systems and one or more current bars. The connection system permanently connects the conductor to the current bar for optimal conductivity. The terminal insulator serves for electrical insulation and fixes the live parts in the plastic housing.

The widespread use of this connection system worldwide makes testing by national and international approval authorities necessary. In addition to the country-related approvals we possess, hazardous area, mining and naval approvals are also available for certain product categories.

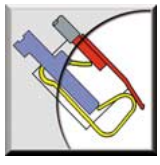
**Printed circuit board connectors** and **printed circuit board terminals** from Weidmueller feature a broad spectrum of practical connection systems.

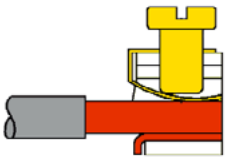
Seven connection systems are available to suit a wide range of applications:

- Leaf spring
- Screw clamp (clamping yoke)
- Tension clamp
- TOP (screw clamp)
- Crimp
- Push-on tab
- IDC (Insulation-Displacement-Connection)
- Spring (BL-I/O)

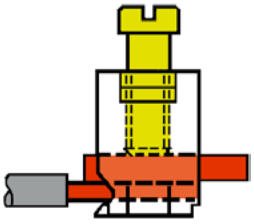
By far the most important type of connection in switchgear and controlgear cabinet installation is the screw connection system, which is the most widely used in the electrical engineering sector because of its versatility. We are continuously extending our connector range to meet the requirements of our customers, and now offer more connection methods than any other pcb product supplier.

**Printed circuit board connectors and printed circuit board terminals are components which must not be connected or disconnected under load conditions.**

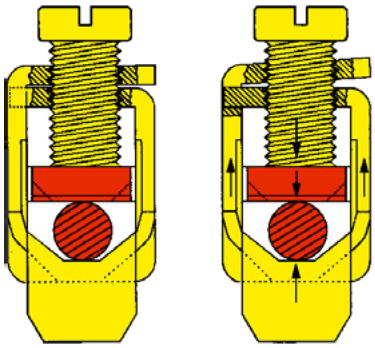




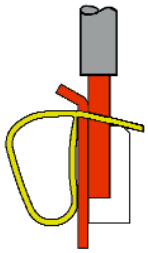
With the patented **leaf spring** connection, Weidmueller has developed a screw connection system that is simple to use and cost effective.



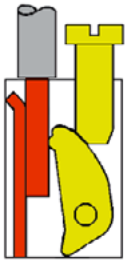
The Weidmueller **clamping yoke** system optimally combines the specific properties of steel and copper. To date, this clamping yoke system has proven itself repeatedly in Weidmueller products. The clamping yoke and the clamping screw are manufactured from hardened steel. The necessary contact force is generated by this clamping yoke unit. The clamping yoke presses the conductor against the current bar made of copper or high-quality brass. Even the best electrical conductor materials are worthless without the necessary contact force. With the hardened Weidmueller clamping yoke, a gastight, vibration-protected connection is produced between the conductor and the current bar.



**Principle of vibration resistance**
When the clamping screw is tightened, the resultant force causes the upper thread overlap to open, thus causing a locking action to be exerted on the screw. The Weidmueller clamping yoke system is proven to be vibration-resistant. Movement of the connected conductor is compensated by the elastic behaviour of the Weidmueller clamping yoke.

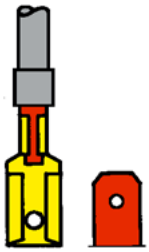


The Weidmueller **tension clamp** system functions in a similar way to the proven clamping yoke. Separation between the mechanical and electrical functions has also been maintained with the tension clamp version. The tension clamp made of high-quality, non-rusting and acid-resistant steel, draws the conductor towards the electro-plated copper current bar. Minimal contact resistance and high corrosion resistance is achieved by the tin-lead plated surface and permanently maintained by the compensating action of the tension clamp.

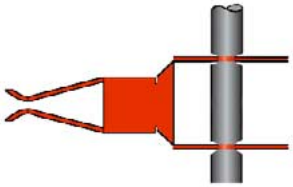


The **TOP** connection system from Weidmueller fulfils the requirement that insertion of the conductor and actuation of the screw occur in one direction. This brings wiring advantages under certain assembly conditions, e.g. with small lateral spacing in component containers. The TOP connection system combines the special properties of steel and copper. The conductor is pressed directly against the copper or brass current bar by a hardened steel pressure clamp. The high contact force guarantees a gas-tight connection between conductor and current bar.

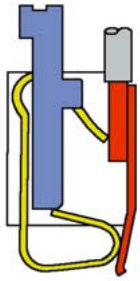
For the **crimp** connection, the conductors are first attached permanently to a crimp contact which is then locked onto the socket block. Please turn to page 236 for further details.



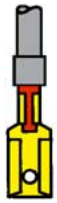
**Push-on tab** (faston) connection
The push-on tab connection is a standardised connection technique. The tab sleeve with the crimped conductor is pushed onto the terminal tab. The contact force is generated by the tab sleeve. The advantage of this technique is the relatively short connection time. In accordance with the draft DIN 46249, part 1, the connection frequency is only tested for 10 cycles.



The **IDC** - Technology (Insulation Displacement Connection) is a type of connection for copper conductors without having to perform any cable preparation. The stripping or crimping of ferrules is not necessary with IDC-Technology. While connecting the conductor the insulation is pierced. At the same time a conductive contact between conductor and current bar is created.



The **spring** connection guarantees very easy operation: solid, ferruled, and even flexible conductors without ferrules can be connected without a tool and disconnected very easily at the touch of a botton.



**Contact**
**Insertion region**

## Crimp connection

Socket and pin contacts are crimped onto the stripped conductors to be connected. A crimp is a non-separable connection, which produces an electrically and mechanically reliable contact between the conductor and the contact.

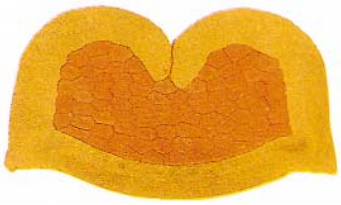
Optimum crimping requires that the components are compatible.

- Conductor (cross-section and structure)
- Contact or ferrule
- Tool and tool setting

During crimping, he conductor material to be connected is stressed beyond its yield point and any poorly conductive surface layers present are broken up.
The remaining contact pressure forces in the longitudinal and radial directions prevent the penetration of corrosive materials for the lifetime of the crimp connection, even under severe operating conditions, such as temperature cycling, vibration and an aggressive atmosphere.

In order to produce a reliable crimp connection, the crimp contact and the crimping tool must be optimally matched, ie. a special crimping profile is required for each crimp contact, graduated according to the individual conductor cross-section ranges. Crimping tools have a locking device for perfect crimping, ie. the crimping tool opens only after the crimping process is complete.

Consistent crimp quality is guaranteed in this way.

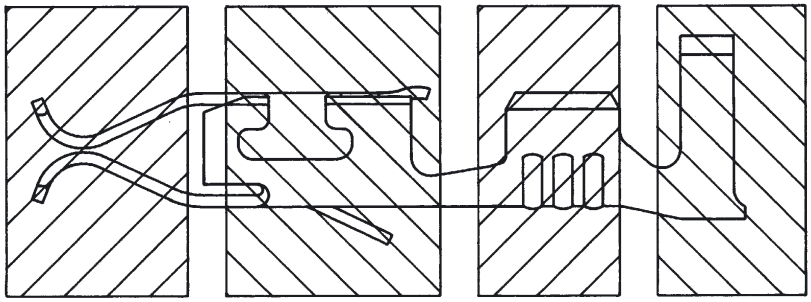


## Contact zone

To list all contact principles known to date would exceed the limits of this catalogue. The basic functional zones of a contact are represented in the diagram below, where a double-leaf spring contact with a crimp connection was used to illustrate the principles.

This basic breakdown of contact zones I - III applies to all contacts (pin, blade or socket contacts), at least for the first three zones. Clamping zone IV, however, is not required for some types of contact.

**I** **Contact zone** | **II** **Contact housing** | **III** **Connection zone** | **IV** **Strain relief**



Breakdown of a contact into functional zones.

**Functional analysis of zones I–IV**

### I Contact zone

The contact zone

- for socket contacts must consist of elastic spring elements which generate and store the contact force required for contact to the opposing element, without suffering permanent deformation
- for pin or blade contacts must absorb the contact force generated by the socket contact, without suffering permanent deformation
- must be designed such that a signal or energy can be transmitted between the contacts (pin or blade contact/socket contact) without any marked loss of energy

### II Contact housing

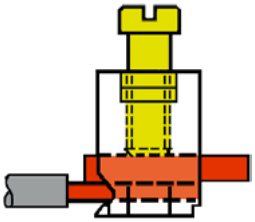
- The bending stresses which are partially fed from the contact zone (contact spring yoke) to the contact housing in socket contacts, must be absorbed and stored by the contact housing without resulting in permanent plastic deformation.
- The contact housing must fix the position of the contact in all three principal axes in the insulated section, and there should be a floating bearing to compensate for the tolerances in the contact/insertion zone.
- The contact housing contains elements and/or geometries which enable firm latching in the housing in order to resist push or pull forces that may arise.

### III Connecting zone

- Depending on the type of connection (crimp, IDC, WW, solder, SMD, screw, EE and spring-clip connection), the connecting zone must permit a gas-tight, low-impedance contact or connection to the conductor/PCB, in order to be able to conduct electrical signals or energy.
- For some types of connection (IDC), this zone must also allow penetration of the insulation.

### IV Strain relief

- The conductor clamp must firmly fix and hold the entire conductor, in order to protect the crimping zone from the mechanical stresses which can have an effect on it (vibrational stress, conductor tension).



### • Clamping yoke system

The task of a connection system is to reliably connect conductors both electrically and mechanically.

The clamping yoke system represents a proven solution for this task. The clamping yoke, made of electro-plated, yellow-chromated, case-hardened steel, and the high-strength clamping screw hold the conductor firmly and securely in the clamp. The copper current bar with a tin-lead coating ensures reliable and permanent contact resistance.

The following characteristics make the clamping yoke system a versatile, user-friendly and sturdy connection system:

- **high contact force, independent of cross-section, and large contact surface area**
- **integrated self-loosening protection**
- **inspection and maintenance-free**
- **age-resistant contact point**
- **no ferrules required for flexible conductors**
- **ease of handling**
- **used all over the world**

### • Contact force

Contact forces are of fundamental importance in connection systems.

Even the best electrical conductor materials are wothless without the necessary contact force. Low forces can lead to relative movement between the conductor and the current bar. The shifting of the contact surface that results allows contamination of the connection point.

For example, with a torque that occurs in practice of approximately 0.8 Nm, the 2.5 mm$^2$ clamping yoke system provides a **contact force** of approximately **750 N**, this being independent of the conductor cross-section used. The high contact forces are generated by the **simple turning of the clamping screw.**

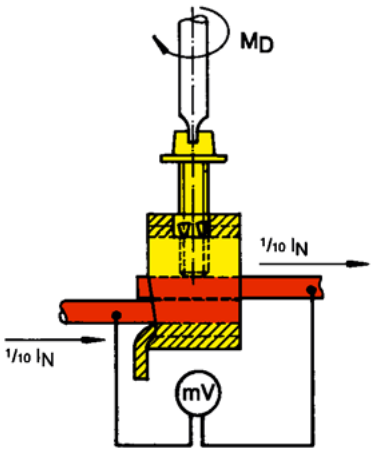
With this **clamping yoke system,** permanent contact which resists environmental influences is obtained with **large contact surface areas** and **high contact forces.**

### • Low voltage drop

The consistency of the voltage drop across the clamping points is an indication of the quality of a connection system.

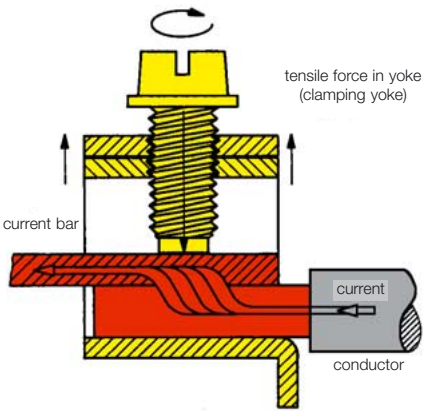
Even with low torques, the voltage drop value is considerably lower that the limit value required by VDE 0611. A wide range of torque variance has no influence.

This is a further proof of the high connection safety of the Weidmueller clamping yoke system.

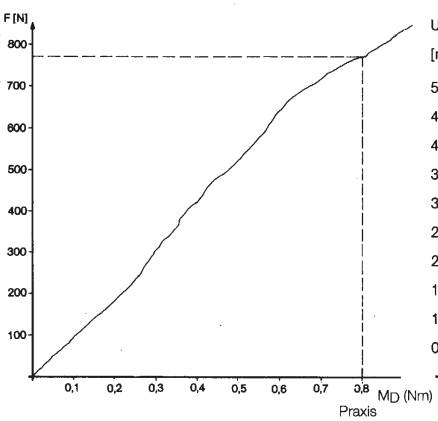



Voltage drop per clamping point as function of $M_D$

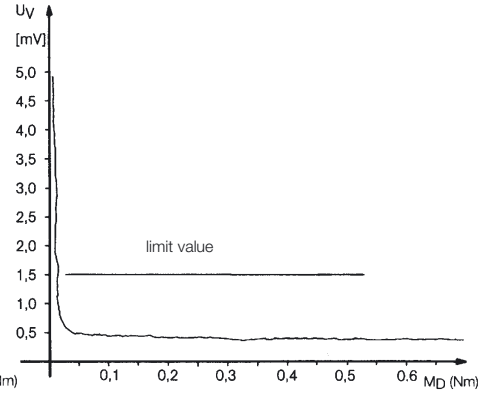
Clamping screw torque

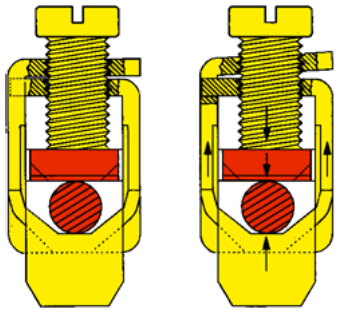



Contact force as function of torque $M_D$




Conductor: H07V-U 2.5





**• Self-loosening protection**

A high contact force is only effective if it is continuously exerted on the conductor. In this area, the Weidmueller clamping yoke system again offers maximum reliability. When the clamping screw is tightened, the upper thread overlap open and locks the clamping screw. Due to the high contact force, any movement of the conductor is unimportant. Changes in diameter caused by temperature fluctuations are compensated for by the elastic behaviour of the clamping yoke system.

Therefore, it is **NOT NECESSARY to RETIGHTEN THE CLAMPING SCREW**. The maintenance free design of the device was verified by, among other tests, thermally ageing the Weidmueller clamping yoke system at 130°C for a period of 168 hours. Subsequently, the entire arrangement was subjected to vibration test at **20** times the acceleration due to gravity for 168 hours. Following this test procedure, which is more stringent than VDE 0611, the **extraction force** of the conductor from the clamping point was still **6** times more than the minimum value according to VDE 0611. Even the voltage drop remained virtually unchanged.

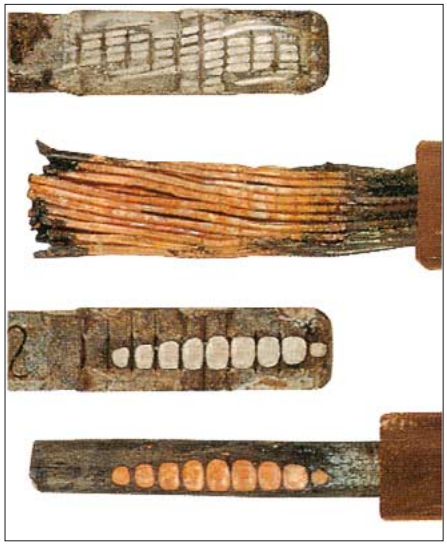
Unequivocal proof that the Weidmueller clamping yoke is **maintenance free.**

**• Gas-tightness**

According to DIN 41640, part 76, electrical components are tested for gas-tightness by being exposed to defined, aggressive atmospheres.

Following this extreme test, the large and corrosion-free contact areas of conductor and current bar are clearly visible.

Even with **flexible conductors without ferrules**, the clamping yoke system proves to be **highly gas-tight.**

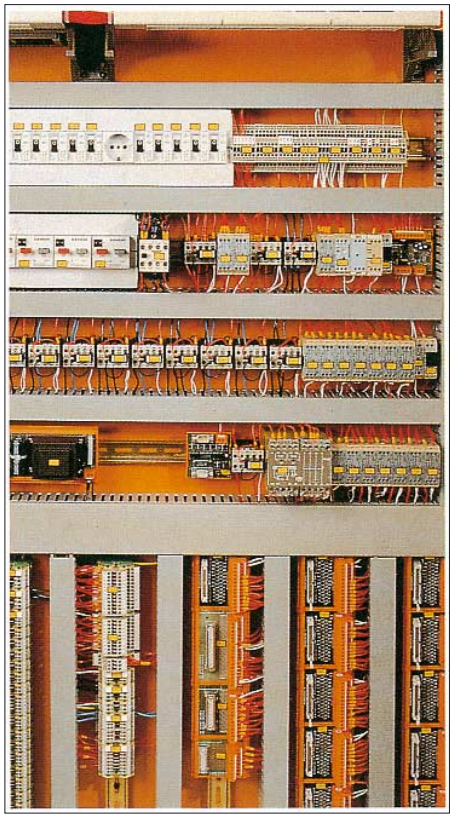


**• Ease of handling**

In control and distribution engineering, approximately 90% of all connections between the contactors, switches, modular terminal blocks and the PLC are currently screw connections. For the technician, a uniform connection system for all components in the control cabinet means one tool and no swapping between different connection systems.

For assembly, this means just inserting the conductor into the clamping yoke and screwing it tight.

This reliable connection is easily made.



## Clearances and creepage distances in electrical equipment

### General:

The specifications VDE 0110, parts 1 and part 2 have been applicable to the dimensioning of clearances and creepage distances "insulation coordination for electrical equipment within low voltage systems", since 1 January 1989.
DIN VDE 0010, Part 1, makes reference to IEC report 664 and 664 A. The ratings resulting from these specifications - where applicable - are specified in this catalogue product-related. In some applicable equipment specifications (for example, DIN VDE 0627/6.86 for connectors), the specifications for clearances and creepage distances are based on VDE 0110/11.72 and VDE 0110 b/2.79 "specifications for clearances and creepage distances in electrical equipment".

The data based on these specifications is therefore specified in this catalogue for the respective products.

**VDE 0110/1.89 (IEC report 664 and 664 A) Dimensioning of clearances and creepage distances; insulation coordination for electrical equipment within low-voltage systems**

For dimensioning of clearances and creepage distances, the following relationships are given from the specifications for insulation coordination:

1 **Clearances** are dimensioned according to the anticipated **overvoltages** taking into account the ratings of the **overvoltage protection precautions** taken and the anticipated environmental conditions taking into account the protective measures taken against **pollution**.

1 **Creepage distances** are dimensioned according to the **working voltage** and the anticipated environmental conditions taking into account the protective measures taken against **pollution** and the **insulating materials** used.

**Table 1: Rated impulse voltages for electrical equipment**

| Rated voltage of power supply systems *) in V | | Rated impulse voltages in kV for | | | |
|---|---|---|---|---|---|
| Three-phase systems | Single-phase systems with middle point | Electrical equipment at the origin of the installation **( Overvoltage category IV )** | Electrical equipment which is part of the fixed installation **( Overvoltage category III )** | Electrical equipment to be connected to the fixed installation **( Overvoltage category II )** | Specially protected electrical equipment **( Overvoltage category I )** |
| | 120 to 240 | 4.00 | 2.50 | 1.50 | 0.80 |
| 230/400 277/480 | | 6.00 | 4.00 | 2.50 | 1.50 |
| 400/690 | | 8.00 | 6.00 | 4.00 | 2.50 |
| 1000 | | Values are subject to systems engineers or, if no values available, the values of the above line ca be taken. | | | |

*) According to IEC 38
**Category I** - determined for particular rated equipment
**Category II** - for technical committees who are responsible for electrical equipment, for connection to the mains power
**Category III** - for technical committees, who are responsible for installation material, and for some specific technical committees
**Category IV** - for power supply companies and system engineers

**Table 2a: Minimum creepage distances according to VDE 0110-1/4.97**

| Rated impulse voltage in kV | Minimum clearance distances in mm up to 2000 m above sea level | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Case A (inhomogeneous field) | | | | | Case B (homogeneous field) | | | | |
| | Pollution severity | | | | | Pollution severity | | | | |
| | 1 | 2 | 1) | 3 | 4 | 1 | 2 | 1) | 3 | 4 |
| 0.33 | 0.01 | | | | | 0.01 | | | | |
| 0.40 | 0.02 | | 0.10 | | | 0.02 | | 0.10 | | |
| 0.50 | 0.04 | 0.20 | | | | 0.04 | | | | |
| 0.60 | 0.06 | | 0.12 | 0.80 | | 0.06 | 0.20 | 0.12 | | |
| 0.80 | 0.10 | | | | 1.60 | 0.10 | | | | |
| 1.00 | 0.15 | | 0.20 | | | 0.15 | | 0.20 | 0.80 | |
| 1.20 | 0.25 | 0.25 | | | | 0.20 | | | | 1.60 |
| 1.50 | 0.50 | 0.25 | | | | 0.30 | 0.30 | | | |
| 2.00 | 1.00 | 1.00 | | 1.00 | | 0.45 | 0.45 | | | |
| 2.50 | 1.50 | 1.50 | | 1.50 | | 0.60 | 0.60 | | | |
| 3.00 | 2.00 | 2.00 | | 2.00 | 2.00 | 0.80 | 0.80 | | | |
| 4.00 | 3.00 | 3.00 | | 3.00 | 3.00 | 1.20 | 1.20 | | 1.20 | |
| 5.00 | 4.00 | 4.00 | | 4.00 | 4.00 | 1.50 | 1.50 | | 1.50 | |
| 6.00 | 5.50 | 5.50 | | 5.50 | 5.50 | 2.00 | 2.00 | | 2.00 | 2.00 |
| 8.00 | 8.00 | 8.00 | | 8.00 | 8.00 | 3.00 | 3.00 | | 3.00 | 3.00 |
| 10.00 | 11.00 | 11.00 | | 11.00 | 11.00 | 3.50 | 3.50 | | 3.50 | 3.50 |
| 12.00 | 14.00 | 14.00 | | 14.00 | 14.00 | 4.50 | 4.50 | | 4.50 | 4.50 |
| 15.00 | 18.00 | 18.00 | | 18.00 | 18.00 | 5.50 | 5.50 | | 5.50 | 5.50 |

1) The Pollution severity 2 is split for impulse voltages up to 1.00 (1.20) kV. These values apply in deviation from IEC report 664 for printed circuits; an appropriate German amendment proposal is available to the IEC.

### Dimensioning of clearances

Decisive for dimensioning of clearances are the **rated impulse voltages** shown in table 1 which are given from the **overvoltage category** and the **phase-to-earth voltage** derived from the rated supply voltage.

From the **rated impulse voltage** and the **pollution severity**, the minimum clearances (up to site altitudes of 2000 m above mean sea level) are determined from table 2.

***Note:***
***Clearances which do not correspond to case A, must be subjected to an impulse voltage test (see tab 2, footnote 1).***

The **pollution severity categories** are as follows:

***Pollution severity category 1:***

No or only dry, non-conductive pollution occurs; the pollution has no influence.

***Pollution severity category 2:***

Only non-conductive pollution occurs; temporary conductivity can occasionally be expected through moisture condensation.

***Pollution severity category 3:***

Conductive pollution or dry, non-conductive pollution occurs liable to be rendered conductive through anticipated moisture condensation.

***Pollution severity category 4:***

Contamination results in constant conductivity, e.g. caused by conductive dust, rain or snow.

The following aspects apply to the **overvoltage categories** in accordance with the national standard DIN VDE 0110-1:

*Electrical equipment energised directly from the low-voltage mains*

Specification of a specific impulse withstand category (overvoltage category) shall be based on the following general explanation:

- Equipment of *Overvoltage category I* is equipment which is intended to be connected to the fixed electrical installations of buildings. Protective means are taken outside the equipment - either in the fixed installation or between the fixed installation and the equipment - to limit transient overvoltages to the specific level.

- Equipment of *Overvoltage category II* is equipment to be connected to the fixed electrical installations of buildings.

  NOTE: Examples of such equipment are houshold appliances, portable tools and similar loads.

- Equipment of *Overvoltage category III* is equipment which is part of the fixed electrical installations and other equipment where a higher degree of availability is expected.

  NOTE: Examples of such equipment are distribution boards, circuit breakers, wiring systems (IEV 826-06-01, including cables, bus-bars, junction boxes, switches, socket-outlets) in the fixed installation, and equipment for industrial use and some other euipment, e.g. stationary motors with permanent connection to the fixed installation.

- Equipment of *Overvoltage category IV* is for use at or in the proximity of the origin of the electrical installations of buildings upstream of the main distribution board.

  NOTE: Examples of such equipment are electricity meters, primary protection devices and ripple control units.

**Note on application of pollution severity and overvoltage categories:**

The pollution severity and rated impulse voltage derived from the overvoltage category are each specified in this catalogue and are product-related.

In principle, the dimensioning of clearance and creepage distances, and resultant specification of ratings for electromechanical products (terminal blocks, terminal strips, printed circuit board terminals and printed circuit board connectors) is based on the *Overvoltage Category III* under consideration of all mains types.

**Dimensioning of creepage distances:**
Decisive for dimensioning of creepage distances are the rated voltages derived from the **system voltages** of the power supply for the respective **type of supply system** in conjunction with the **pollution severity** (classification, see under clearances) and the **insulating material** used. Taking into account tables 3 and 4 and the CTI (Comparative Tracking Index) of the insulating material, the minimum creepage distances are determined from table 5.

**Table 3a: Single-phase three or two-wire AC or DC systems**

| Rated voltage of the power supply (mains)*) | Voltages for table 4 | |
|---|---|---|
| | For insulation phase-to-phase 1) | For insulation phase-to-earth 1) |
| | all systems | 3-wire systems mid-point earthed |
| V | V | V |
| 12.5 | 12.5 | – |
| 24<br>25 | 25 | – |
| 30 | 32 | – |
| 42<br>48<br>50**) | 50 | – |
| 60 | 63 | – |
| 30-60 | 63 | 32 |
| 100**) | 100 | – |
| 110<br>120 | 125 | – |
| 150**) | 160 | – |
| 220 | 250 | – |
| 110-220<br>120-240 | 250 | 125 |
| 300**) | 320 | – |
| 220-440 | 500 | 250 |
| 600**) | 630 | – |
| 480-960 | 1000 | 500 |
| 1000**) | 1000 | – |

1) Phase-to-earth insulation level for unearthed or impedance-earthed systems equals that for phase-to-phase because the operating voltage to earth of any phase can, in practice, approach full phase-to-phase voltage. This is because tha actual voltage to earth is determined by the insulation resistance and capacitive reactance of each phase to earth; thus, low (but acceptable) insulation resistance of one phase can in affect earth it and raise the other two to full phase-to-phase voltage to earth.

*) It is assumed that the rated voltage of the electrical equipment is not lower than the nominal voltage of the power supply.

**) Because of the common changes, the meaning of the **-mark in table 1 has not been transferred; i.e:
The /-mark indicates a four-wire three-phase distribution system.
The lower value is the voltage phase-to-neutral, while the higher value is the voltage phase-to-phase. Where only one value is indicated, it refers to three-wire, three-phase systems and specifies the value phase-to-phase.
These values correspond to the values given in table 1.

**Table 3b: Three-phase four or three-wire AC systems**

| Rated voltage of the power supply (mains)*) | Voltages for table 4 | | |
|---|---|---|---|
| | For insulation phase-to-pahse | For insulation phase-to-earth | |
| | all systems | Three-phase 4-wire systems with earthed neutral wire2) | Three-phase 3-wire systems unearthed1) or comer-earthed |
| V | V | V | V |
| 60 | 63 | 32 | 63 |
| 110/120/127 | 125 | 80 | 125 |
| 150**) | 160 | – | 160 |
| 208 | 200 | 125 | 200 |
| 220/230/240 | 250 | 160 | 250 |
| 300**) | 320 | – | 320 |
| 380/400/415 | 400 | 250 | 400 |
| 440 | 500 | 250 | 500 |
| 480/500 | 500 | 320 | 500 |
| 575 | 630 | 400 | 630 |
| 600**) | 630 | – | 630 |
| 660/690 | 630 | 400 | 630 |
| 720/830 | 800 | 500 | 800 |
| 960 | 1000 | 630 | 1000 |
| 1000**) | 1000 | – | 1000 |

1) Phase-to-earth insulation level for unearthed or impedance-earthed systems equals that for phase-to-phasebecause the operating voltage to earth of any phase can, in practice, approach full phase-to-phase voltage. This is because the actual voltage to earth is determined by the insulation resistance and capacitive reactance of each phase to earth; thus, low (but acceptable) insulation resistance of one phase can in effect earth it and raise the other two to full phase-to-phase voltage to earth.

2) For electrical equipment for use on both three-phase four-wire and three-phase three-wire supplies, earthed and unearthed, use the values for three-wire systems only.

*) It is assumed that the rated voltage of the electrical equipment is not lower than the nominal voltage of the power supply.

**) Because of the common changes, the meaning of the **-mark in table 1 has not been transferred; i.e:
The /-mark indicates a four-wire three-phase distribution system.
The lower value is the voltage phase-to-neutral, while the higher value is the voltage phase-to-phase. Where only one value is indicated, it refers to three-wire, three-phase systems and specifies the value phase-to-phase.
These values correspond to the values given in table 1.

## Creepage distances in electrical equipment

**Table 4: Minimum creepage distances**

| Rated voltage U ~eff or U⎓ in V | Creepage distances in mm | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | printed circuits | | other electrical equipment | Pollution severity | | | | | | | | |
| | Pollution severity | | | 2 | | | 3 | | | 4 | | |
| | 1 | 2 | 1 | Insulation material group | | | Insulation material group | | | Insulation material group | | |
| | Insulation material 2) | Insulation material 3) | Insulation material 2) | I | II | III | I | II | III 4) | I | II | III 4) |
| 10 | 0.025 | 0.04 | 0.08 | 0.40 | 0.40 | 0.40 | 1.00 | 1.00 | 1.00 | 1.60 | 1.60 | 1.60 |
| 12.5 | 0.025 | 0.04 | 0.09 | 0.42 | 0.42 | 0.42 | 1.05 | 1.05 | 1.05 | 1.60 | 1.60 | 1.60 |
| 16 | 0.025 | 0.04 | 0.10 | 0.45 | 0.45 | 0.45 | 1.10 | 1.10 | 1.10 | 1.60 | 1.60 | 1.60 |
| 20 | 0.025 | 0.04 | 0.11 | 0.48 | 0.48 | 0.48 | 1.20 | 1.20 | 1.20 | 1.60 | 1.60 | 1.60 |
| 25 | 0.025 | 0.04 | 0.125 | 0.50 | 0.50 | 0.50 | 1.25 | 1.25 | 1.25 | 1.70 | 1.70 | 1.70 |
| 32 | 0.025 | 0.04 | 0.14 | 0.53 | 0.53 | 0.53 | 1.30 | 1.30 | 1.30 | 1.80 | 1.80 | 1.80 |
| 40 | 0.025 | 0.04 | 0.16 | 0.56 | 0.80 | 1.10 | 1.40 | 1.60 | 1.80 | 1.90 | 2.40 | 3.00 |
| 50 | 0.025 | 0.04 | 0.18 | 0.60 | 0.85 | 1.20 | 1.50 | 1.70 | 1.90 | 2.00 | 2.50 | 3.20 |
| 63 | 0.040 | 0.63 | 0.20 | 0.63 | 0.90 | 1.25 | 1.60 | 1.80 | 2.00 | 2.10 | 2.60 | 3.40 |
| 80 | 0.063 | 0.10 | 0.22 | 0.67 | 0.95 | 1.30 | 1.70 | 1.90 | 2.10 | 2.20 | 2.80 | 3.60 |
| 100 | 0.10 | 0.16 | 0.25 | 0.71 | 1.00 | 1.40 | 1.80 | 2.00 | 2.20 | 2.40 | 3.00 | 3.80 |
| 125 | 0.16 | 0.25 | 0.28 | 0.75 | 1.05 | 1.50 | 1.90 | 2.10 | 2.40 | 2.50 | 3.20 | 4.00 |
| 160 | 0.25 | 0.40 | 0.32 | 0.80 | 1.10 | 1.60 | 2.00 | 2.20 | 2.50 | 3.20 | 4.00 | 5.00 |
| 200 | 0.40 | 0.63 | 0.42 | 1.00 | 1.40 | 2.00 | 2.50 | 2.80 | 3.20 | 4.00 | 5.00 | 6.30 |
| 250 | 0.56 | 1.00 | 0.56 | 1.25 | 1.80 | 2.50 | 3.20 | 3.60 | 4.00 | 5.00 | 6.30 | 8.00 |
| 320 | 0.75 | 1.60 | 0.75 | 1.60 | 2.20 | 3.20 | 4.00 | 4.50 | 5.00 | 6.30 | 8.00 | 10.00 |
| 400 | 1.00 | 2.00 | 1.00 | 2.00 | 2.80 | 4.00 | 5.00 | 5.60 | 6.30 | 8.00 | 10.00 | 12.50 |
| 500 | 1.30 | 2.50 | 1.30 | 2.50 | 3.60 | 5.00 | 6.30 | 7.10 | 8.00 | 10.00 | 12.50 | 16.00 |
| 630 | 1.80 | 3.20 | 1.80 | 3.20 | 4.50 | 6.30 | 8.00 | 9.00 | 10.00 | 12.50 | 16.00 | 20.00 |
| 800 | 2.40 | 4.00 | 2.40 | 4.00 | 5.60 | 8.00 | 10.00 | 11.00 | 12.50 | 16.00 | 20.00 | 25.00 |
| 1000 | 3.20 | 5.00 | 3.20 | 5.00 | 7.10 | 10.00 | 12.50 | 14.00 | 16.00 | 20.00 | 25.00 | 32.00 |

2) Insulation material I, II, IIIa, IIIb

3) Insulation material I, II, IIIa

4) Creepage distances are not determined in this range.

The insulation material group IIIb is not generally recommended for pollution severity 3 above 630V and in pollution severity 4.

The insulating materials are subdivided into four groups according to their CTI (Comparative Tracking Index):

| Insulating material | |
|---|---|
| I | 600 ≤ CTI |
| II | 400 ≤ CTI < 600 |
| III a | 175 ≤ CTI < 400 |
| III b | 100 ≤ CTI < 175 |

The comparative tracking index must be determined according to DIN IEC 112/VDE 0303, Part 1 on the basis of specially prepared samples with test solution A.

**Slots** are taken into account in the measurement of creepage distances when their minimum width X is dimensioned according to the following table:

| Pollution severity | Minimum width x (mm) |
|---|---|
| 1 | 0.25 |
| 2 | 1.0 |
| 3 | 1.5 |
| 4 | 2.5 |

If the associated clearance is less than 3 mm, the minimum width X can be reduced to 1/3 of the clearance.