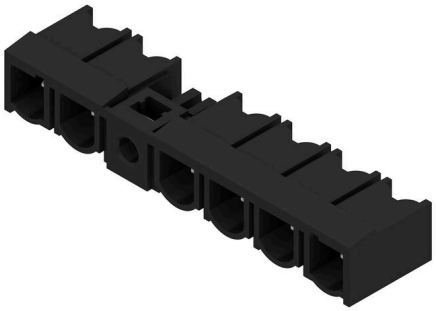
Data sheet

# SL 7.62IT/06/90MSF3 3.2SN BK BX SO

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

## Product image






90° male header with soldered flange fastening with 7.62 pitch for 400 V IT power networks according to IEC 61800-5-1. UL approval as per UL840 600 V with leading PE contact.
Meets the increased requirements on touch safety for IT power networks as per IEC 61800-5-1 for 400 V to earth, when combined with female header BLZ 7.62 IT...,
Without a female header, the mating profile guarantees minimum touch safety of 1 mm with 20 N pressure on the test finger. The interlock in the middle flange reduces the space requirements in comparison with conventional solutions by one pitch width. On request: available with screw flange or without flange.

### General ordering data

| | |
|---|---|
| Version | PCB plug-in connector, male header, closed side / middle screw flange, THT solder connection, 7.62 mm, Number of poles: 6, 90°, Solder pin length (l): 3.2 mm, tinned, black, Box |
| Order No. | 2629610000 |
| Type | SL 7.62IT/06/90MSF3 3.2SN BK BX SO |
| GTIN (EAN) | 4050118893731 |
| Qty. | 30 items |
| Product data | IEC: 630 V<br>UL: |
| Packaging | Box |
| Delivery status | Discontinued |

Creation date 20.03.2026 01:49:37 MEZ

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## Technical data

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 12.65 mm | Depth (inches) | 0.498 inch |
| Height | 11.6 mm | Height (inches) | 0.4567 inch |
| Width | 52.72 mm | Width (inches) | 2.0756 inch |
| Net weight | 4.53 g | | |

### Environmental Product Compliance

| | |
|---|---|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC | No SVHC above 0.1 wt% |

### System specifications

| | | | |
|---|---|---|---|
| Product family | OMNIMATE Power - series BL/SL 7.62IT | Type of connection | Board connection |
| Mounting onto the PCB | THT solder connection | Pitch in mm (P) | 7.62 mm |
| Pitch in inches (P) | 0.300 " | Outgoing elbow | 90° |
| Number of poles | 6 | Number of solder pins per pole | 1 |
| Solder pin length (l) | 3.2 mm | Solder pin dimensions | 1.0 x 1.0 mm |
| Solder pin dimensions = d tolerance | +0,01 / -0,03 mm | Solder eyelet hole diameter (D) | 1.4 mm |
| Solder eyelet hole diameter tolerance (D) | + 0,1 mm | L1 in mm | 45.72 mm |
| L1 in inches | 1.800 " | Number of rows | 1 |
| Pin series quantity | 1 | Protection degree | IP20 in installed state |
| Tightening torque for screw flange, min. | 0.15 Nm | Tightening torque for screw flange, max. | 0.25 Nm |
| Plugging cycles | 25 | | |

### Material data

| | | | |
|---|---|---|---|
| Insulating material | PBT GF | Colour | black |
| Colour chart (similar) | RAL 9011 | Moisture Level (MSL) | |
| UL 94 flammability rating | V-0 | Contact material | Cu-alloy |
| Contact surface | tinned | Storage temperature, min. | -40 °C |
| Storage temperature, max. | 70 °C | Operating temperature, min. | -50 °C |
| Operating temperature, max. | 100 °C | Temperature range, installation, min. | -25 °C |
| Temperature range, installation, max. | 100 °C | | |

### Rated data acc. to IEC

| | | | |
|---|---|---|---|
| Rated current, max. number of poles (Tu=20°C) | 26 A | Rated current, min. number of poles (Tu=40°C) | 25 A |
| Rated voltage for surge voltage class / pollution degree II/2 | 630 V | Rated voltage for surge voltage class / pollution degree III/2 | 500 V |
| Rated impulse voltage for surge voltage class/ pollution degree II/2 | 6000 V | Rated impulse voltage for surge voltage class/ pollution degree III/2 | 6 kV |
| Creepage distance, min. | 8.1 mm | Clearance, min. | 6.5 mm |

### Rated data acc. to UL 1059

| | | | |
|---|---|---|---|
| Creepage distance, min. | 11.2 mm | Clearance distance, min. | 6.5 mm |

### Packing

| | | | |
|---|---|---|---|
| Packaging | Box | VPE length | 338.00 mm |
| VPE width | 130.00 mm | VPE height | 20.00 mm |

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## Technical data

### Important note

| | |
|---|---|
| IPC conformity | Conformity: The products are developed, manufactured and delivered according international recognized standards and norms and comply with the assured properties in the data sheet resp. fulfill decorative properties in accordance with IPC-A-610 "Class 2". Further claims on the products can be evaluated on request. |
| Notes | • Additional variants on request<br>• Gold-plated contact surfaces on request<br>• Rated current related to rated cross-section & min. No. of poles.<br>• P on drawing = pitch<br>• Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.<br>• In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load<br>• Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 8.0 | EC002637 | ETIM 9.0 | EC002637 |
| ETIM 10.0 | EC002637 | ECLASS 14.0 | 27-46-02-01 |
| ECLASS 15.0 | 27-46-02-01 | | |

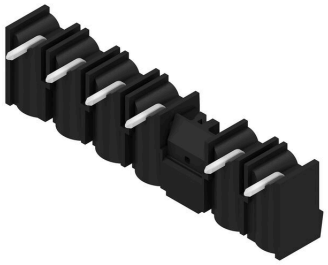
# SL 7.62IT/06/90MSF3 3.2SN BK BX SO

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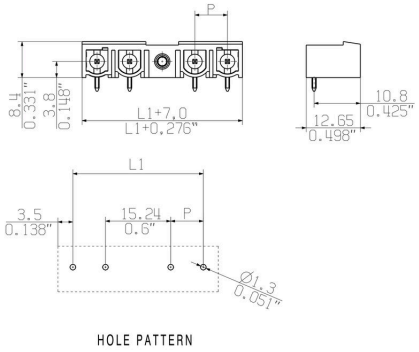
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## Drawings

### Product image



### Dimensional drawing




Similar to illustration

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## Accessories

### Coding elements



Only connects what is supposed to be connected: the right connection at the right place.
Coding elements and locking devices clearly assign connecting elements during the manufacturing process and operation
The coding elements and locking devices are inserted prior to assembly or during the cable assembly phase.
The Weidmüller alternative: configure online using the variant configurator to precode prior to delivery.
Incorrect assembly on the circuit board and incorrect plugging of connecting elements is no longer possible.
The advantage: no troubleshooting during manufacture and no operational errors by the user.

### General ordering data

| | | |
|---|---|---|
| Type | BLZ/SL KO OR BX | Version |
| Order No. | 1573010000 | PCB plug-in connector, Accessories, Coding element, orange, Number |
| GTIN (EAN) | 4008190048396 | of poles: 1 |
| Qty. | 100 ST | |

| | | |
|---|---|---|
| Type | BLZ/SL KO BK BX | Version |
| Order No. | 1545710000 | PCB plug-in connector, Accessories, Coding element, black, Number |
| GTIN (EAN) | 4008190087142 | of poles: 1 |
| Qty. | 50 ST | |