

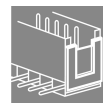
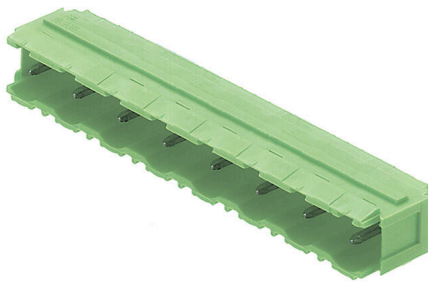
**SL 7.50/09/90B 3.2SN GN BX****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

Male connectors with 90° outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

**General ordering data**

|              |                                                                                                                                                                          |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version      | PCB plug-in connector, male header, Dovetails for fixing blocks, THT solder connection, 7.50 mm, Number of poles: 9, 90°, Solder pin length (l): 3.2 mm, Pale green, Box |
| Order No.    | <a href="#">2864910000</a>                                                                                                                                               |
| Type         | SL 7.50/09/90B 3.2SN GN BX                                                                                                                                               |
| GTIN (EAN)   | 4064675600404                                                                                                                                                            |
| Qty.         | 50 items                                                                                                                                                                 |
| Product data | IEC: 800 V / 18.5 A<br>UL: 300 V / 15 A                                                                                                                                  |
| Packaging    | Box                                                                                                                                                                      |

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## Technical data

## Approvals

|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

## Dimensions and weights

|                          |             |                 |             |
|--------------------------|-------------|-----------------|-------------|
| Depth                    | 12 mm       | Depth (inches)  | 0.4724 inch |
| Height                   | 11.7 mm     | Height (inches) | 0.4606 inch |
| Height of lowest version | 8.5 mm      | Width           | 67.5 mm     |
| Width (inches)           | 2.6575 inch | Net weight      | 4.6 g       |

## Environmental Product Compliance

|                          |                             |                  |  |
|--------------------------|-----------------------------|------------------|--|
| RoHS Compliance Status   | Compliant without exemption |                  |  |
| REACH SVHC               | No SVHC above 0.1 wt%       |                  |  |
| Product Carbon Footprint | Cradle to gate              | 0,047 kg CO2 eq. |  |

## System specifications

|                                                   |                                     |                                 |                  |
|---------------------------------------------------|-------------------------------------|---------------------------------|------------------|
| Product family                                    | OMNIMATE Signal - series BL/SL 7.50 | Type of connection              | Board connection |
| Mounting onto the PCB                             | THT solder connection               | Pitch in mm (P)                 | 7.50 mm          |
| Pitch in inches (P)                               | 0.295 "                             | Outgoing elbow                  | 90°              |
| Number of poles                                   | 9                                   | Number of solder pins per pole  | 1                |
| Solder pin length (l)                             | 3.2 mm                              | Solder eyelet hole diameter (D) | 1.3 mm           |
| Solder eyelet hole diameter tolerance (D)+ 0,1 mm |                                     | L1 in mm                        | 60.00 mm         |
| L1 in inches                                      | 2.362 "                             | Pin series quantity             | 2                |
| Touch-safe protection acc. to DIN VDE 57 106      | Safe from finger touch, plugged     | Volume resistance               | 4.50 mΩ          |
| Can be coded                                      | Yes                                 |                                 |                  |

## Material data

|                                  |          |                             |            |
|----------------------------------|----------|-----------------------------|------------|
| Insulating material              | PBT      | Colour                      | Pale green |
| Colour chart (similar)           | RAL 6021 | Insulating material group   | IIIa       |
| Comparative Tracking Index (CTI) | ≥ 200    | Moisture Level (MSL)        |            |
| UL 94 flammability rating        | V-0      | Contact material            | Cu-alloy   |
| Storage temperature, min.        | -40 °C   | Storage temperature, max.   | 70 °C      |
| Operating temperature, min.      | -50 °C   | Operating temperature, max. | 100 °C     |

## Rated data acc. to IEC

|                                                                           |                        |                                                                       |                   |
|---------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------|-------------------|
| tested acc. to standard                                                   | IEC 60664-1, IEC 61984 | Rated current, min. number of poles (Tu=20°C)                         | 18.5 A            |
| Rated current, max. number of poles (Tu=20°C)                             | 17 A                   | Rated current, min. number of poles (Tu=40°C)                         | 16 A              |
| Rated current, max. number of poles (Tu=40°C)                             | 14.5 A                 | Rated voltage for surge voltage class / pollution degree II/2         | 800 V             |
| Rated voltage for surge voltage class / pollution degree III/2            | 630 V                  | Rated voltage for surge voltage class / pollution degree III/3        | 500 V             |
| Rated impulse voltage for surge voltage class/ pollution degree II/2      | 6 kV                   | Rated impulse voltage for surge voltage class/ pollution degree III/2 | 6 kV              |
| Rated impulse voltage for surge voltage class/ contamination degree III/3 | 6 kV                   | Short-time withstand current resistance                               | 3 x 1s with 120 A |

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## Rated data acc. to CSA

|                                   |       |                                   |       |
|-----------------------------------|-------|-----------------------------------|-------|
| Rated voltage (Use group B / CSA) | 300 V | Rated voltage (Use group D / CSA) | 300 V |
| Rated current (Use group B / CSA) | 15 A  | Rated current (Use group D / CSA) | 10 A  |

## Rated data acc. to UL 1059

|                                       |       |                                       |       |
|---------------------------------------|-------|---------------------------------------|-------|
| Rated voltage (Use group B / UL 1059) | 300 V | Rated voltage (Use group D / UL 1059) | 300 V |
| Rated current (Use group B / UL 1059) | 15 A  | Rated current (Use group D / UL 1059) | 10 A  |

## Packing

|           |           |            |           |
|-----------|-----------|------------|-----------|
| Packaging | Box       | VPE length | 168.00 mm |
| VPE width | 118.00 mm | VPE height | 48.00 mm  |

## 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          | <ul style="list-style-type: none"> <li>• Additional variants on request</li> <li>• Gold-plated contact surfaces on request</li> <li>• Rated current related to rated cross-section &amp; min. No. of poles.</li> <li>• Rated voltage for 7.62 mm pitch: <math>U/2 = 1000\text{ V} / 6\text{ kV}</math></li> <li>• P on drawing = pitch</li> <li>• 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.</li> <li>• 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</li> <li>• Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months</li> </ul> |

## 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 |             |             |

## Dimensional drawing

