

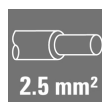
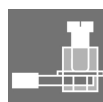
**BLZ 7.62/06/90 SN GN BX****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

Female plugs with clamping-yoke screw connection. The female plugs provide space for labelling and can be coded.

**General ordering data**

|              |                                                                                                                                      |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Version      | PCB plug-in connector, female plug, 7.62 mm, Number of poles: 6, 90°, Clamping yoke connection, Clamping range, max. : 3.31 mm², Box |
| Order No.    | <a href="#">2869210000</a>                                                                                                           |
| Type         | BLZ 7.62/06/90 SN GN BX                                                                                                              |
| GTIN (EAN)   | 4064675621379                                                                                                                        |
| Qty.         | 42 pc(s).                                                                                                                            |
| Product data | IEC: 800 V / 15 A / 0.2 - 2.5 mm²<br>UL: 300 V / 10 A / AWG 26 - AWG 12                                                              |
| Packaging    | Box                                                                                                                                  |

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Catalogue status 26.04.2025 / We reserve the right to make technical changes.

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**Technical data****Dimensions and weights**

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 26.7 mm | Depth (inches)  | 1.051 inch |
| Height     | 13.9 mm | Height (inches) | 0.547 inch |
| Net weight | 13.66 g |                 |            |

**System Parameters**

|                            |                                     |                                              |                          |
|----------------------------|-------------------------------------|----------------------------------------------|--------------------------|
| Product family             | OMNIMATE Signal - series BL/SL 7.62 | Wire connection method                       | Clamping yoke connection |
| Pitch in mm (P)            | 7.62 mm                             | Pitch in inches (P)                          | 0.3 "                    |
| Conductor outlet direction | 90°                                 | Number of poles                              | 6                        |
| L1 in mm                   | 38.1 mm                             | L1 in inches                                 | 1.5 "                    |
| Pin series quantity        | 1                                   | Touch-safe protection acc. to DIN VDE 57 106 | Safe from finger touch   |
| Volume resistance          | 5.00 mΩ                             | Can be coded                                 | Yes                      |
| Tightening torque, min.    | 0.4 Nm                              | Tightening torque, max.                      | 0.5 Nm                   |
| Clamping screw             | M 2.5                               | Screwdriver blade standard                   | DIN 5264                 |
| Plugging cycles            | 25                                  | Pulling force/pole, max.                     | 2 N                      |

**Material data**

|                                  |          |                             |            |
|----------------------------------|----------|-----------------------------|------------|
| Insulating material              | PBT      | Colour                      | Pale green |
| Colour chart (similar)           | RAL 6021 | Insulating material group   | IIIa       |
| Comparative Tracking Index (CTI) | ≥ 200    | 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   |                             |            |

**Conductors suitable for connection**

|                                                 |                         |                                                 |                                                                                                                                                                        |
|-------------------------------------------------|-------------------------|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Clamping range, min.                            | 0.13 mm <sup>2</sup>    | Clamping range, max.                            | 3.31 mm <sup>2</sup>                                                                                                                                                   |
| Solid, min. H05(07) V-U                         | 0.2 mm <sup>2</sup>     | Solid, max. H05(07) V-U                         | 2.5 mm <sup>2</sup>                                                                                                                                                    |
| Flexible, min. H05(07) V-K                      | 0.2 mm <sup>2</sup>     | Flexible, max. H05(07) V-K                      | 2.5 mm <sup>2</sup>                                                                                                                                                    |
| w. plastic collar ferrule, DIN 46228 pt 4, min. | 0.2 mm <sup>2</sup>     | w. plastic collar ferrule, DIN 46228 pt 4, max. | 2.5 mm <sup>2</sup>                                                                                                                                                    |
| w. wire end ferrule, DIN 46228 pt 1, min.       | 0.2 mm <sup>2</sup>     | w. wire end ferrule, DIN 46228 pt 1, max.       | 2.5 mm <sup>2</sup>                                                                                                                                                    |
| Plug gauge in accordance with EN 60999 a x b; ø |                         | Reference text                                  | The outside diameter of the plastic collar should not be larger than the pitch (P). Length of ferrules is to be chosen depending on the product and the rated voltage. |
|                                                 | 2.8 mm x 2.0 mm; 2.4 mm |                                                 |                                                                                                                                                                        |

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**Technical data****Rated data acc. to IEC**

tested acc. to standard

IEC 60664-1, IEC 61984

Rated current, max. number of poles  
(Tu=20°C)

17 A

Rated current, max. number of poles  
(Tu=40°C)

11 A

Rated voltage for surge voltage class /  
pollution degree III/2

630 V

Rated impulse voltage for surge voltage  
class/ pollution degree II/2

6,000 V

Rated impulse voltage for surge voltage  
class/ contamination degree III/3

6 kV

Rated current, min. number of poles  
(Tu=20°C)

15 A

Rated current, min. number of poles  
(Tu=40°C)

15 A

Rated voltage for surge voltage class /  
pollution degree II/2

800 V

Rated voltage for surge voltage class /  
pollution degree III/3

500 V

Rated impulse voltage for surge voltage  
class/ pollution degree III/2

6 kV

Short-time withstand current resistance

3 x 1s with 120 A

**Rated data acc. to CSA**

Rated voltage (Use group B / CSA)

300 V

Rated current (Use group B / CSA)

15 A

Wire cross-section, AWG, min.

AWG 26

Rated voltage (Use group D / CSA)

300 V

Rated current (Use group D / CSA)

10 A

Wire cross-section, AWG, max.

AWG 12

**Rated data acc. to UL 1059**

Rated voltage (Use group B / UL 1059)

300 V

Rated current (Use group B / UL 1059)

10 A

Wire cross-section, AWG, min.

AWG 26

Rated voltage (Use group D / UL 1059)

300 V

Rated current (Use group D / UL 1059)

10 A

Wire cross-section, AWG, max.

AWG 12

**Packing**

Packaging

Box

VPE length

228 mm

VPE width

133 mm

VPE height

59 mm

**Classifications**

ETIM 6.0

EC002638

ETIM 8.0

EC002638

ETIM 10.0

EC002638

ECLASS 9.1

27-44-03-09

ECLASS 11.0

27-46-02-02

ECLASS 13.0

27-46-02-02

ECLASS 15.0

27-46-02-02

ETIM 7.0

EC002638

ETIM 9.0

EC002638

ECLASS 9.0

27-44-03-09

ECLASS 10.0

27-44-03-09

ECLASS 12.0

27-46-02-02

ECLASS 14.0

27-46-02-02

**Environmental Product Compliance**

RoHS Compliance Status

Compliant without exemption

REACH SVHC

No SVHC above 0.1 wt%

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[www.weidmueller.com](http://www.weidmueller.com)**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          | <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>• Wire end ferrule without plastic collar to DIN 46228/1</li><li>• Wire end ferrule with plastic collar to DIN 46228/4</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> |

**Approvals**

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

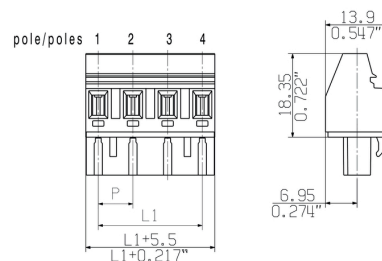
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## Drawings

### Dimensional drawing



### Derating curve

