

B2L 3.50 AH12 BK BX

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

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Example of use



Similar to illustration

Effective protection, optimised ergonomics and closed design:

From the strain relief on the connected conductors and the visual/contact protection and the disconnection aid: the optional retrofit hoods perform mechanical, visual and haptic functions.

The two half shells clip together securely, enclose the plug completely and offer the following functions:

- Cable ties or integrated cable clips provide strain relief.
- Marked with dekafix labels or adhesive strips
- Mounting side by side without losing poles or displacing the pitch
- Compatible: suitable for plugs with or without a flange or mounting bracket
- Flexible: 1-3 cable outlets leading in different directions available depending on the size

Weidmüller hoods offer added stability, better identification, complete compatibility and versatility.

The result: maximum reliability and user-friendliness in any application.

General ordering data

| | |
|--------------|--|
| Version | PCB plug-in connector, Accessories, Hood, black, Number of poles: 12 |
| Order No. | 1781590000 |
| Type | B2L 3.50 AH12 BK BX |
| GTIN (EAN) | 4032248172641 |
| Qty. | 10 pc(s). |
| Product data | |
| Packaging | Box |

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Technical data

Dimensions and weights

Net weight 4.6 g

Temperatures

Operating temperature, min. -50 °C Operating temperature, max. 100 °C

System specifications

| | | | |
|---------------------|--|---------------------|--------|
| Product family | OMNIMATE Signal - series B2L/S2L 3.50 - 2-row | Pitch in mm (P) | 3.5 mm |
| Pitch in inches (P) | 0.138 inch | Number of poles | 12 |
| L1 in inches | 0.138 inch | Pin series quantity | 2 |

Material data

| | | | |
|---------------------------------------|----------|---------------------------------------|--------|
| Insulating material | PBT GF | Colour | black |
| Colour chart (similar) | RAL 9011 | UL 94 flammability rating | V-0 |
| 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

tested acc. to standard IEC 60664-1, IEC 61984

Packing

| | | | |
|-----------|-------|------------|--------|
| Packaging | Box | VPE length | 105 mm |
| VPE width | 79 mm | VPE height | 20 mm |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC002943 | ETIM 7.0 | EC002943 |
| ETIM 8.0 | EC002943 | ECLASS 9.0 | 27-44-04-92 |
| ECLASS 9.1 | 27-44-04-92 | ECLASS 10.0 | 27-44-04-92 |
| ECLASS 11.0 | 27-46-04-05 | ECLASS 12.0 | 27-46-04-05 |

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 • Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

Approvals

Approvals



ROHS Conform

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| | |
|---|---|
| Approval/Certificate/Document of Conformity | Declaration of the Manufacturer |
| Engineering Data | CAD data – STEP |
| Catalogues | Catalogues in PDF-format |
| Brochures | FL DRIVES EN MB DEVICE MANUF. EN FL DRIVES DE FL BUILDING SAFETY EN FL APPL LED LIGHTING EN FLIndustr.CONTROLS EN FL MACHINE SAFETY EN FL HEATING ELECTR EN FL APPL INVERTER EN FL_BASE_STATION_EN FL ELEVATOR EN FL POWER SUPPLY EN FL 72H SAMPLE SER EN PO OMNIMATE EN PO OMNIMATE EN |