

**OMNIMATE Signal - series BL/SL 3.50  
BL 3.50 AH09 BK BX**

**Weidmüller Interface GmbH & Co. KG**  
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[www.weidmueller.com](http://www.weidmueller.com)

**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**

|              |                                                                  |
|--------------|------------------------------------------------------------------|
| Type         | BL 3.50 AH09 BK BX                                               |
| Order No.    | <a href="#">1745640000</a>                                       |
| Version      | PCB plug-in connector, Accessories, Hood, black, No. of poles: 9 |
| GTIN (EAN)   | 4008190985202                                                    |
| Qty.         | 10 pc(s).                                                        |
| Product data |                                                                  |
| Packaging    | Box                                                              |

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## Technical data

### Dimensions and weights

|            |       |
|------------|-------|
| Net weight | 7.1 g |
|------------|-------|

### Material data

|                                       |          |                                       |        |
|---------------------------------------|----------|---------------------------------------|--------|
| Insulating material                   | PBT      | Colour code                           | black  |
| Colour chart (similar)                | RAL 9011 | GWFI                                  | 960 °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 | 15 mm  |
| VPE width | 70 mm | VPE height | 170 mm |

### Classifications

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | EC001284    | ETIM 4.0   | EC000250    |
| ETIM 5.0   | EC000250    | ETIM 6.0   | EC002943    |
| UNSPSC     | 30-21-18-01 | eClass 6.2 | 27-26-92-01 |
| eClass 7.1 | 27-44-92-02 | eClass 8.1 | 27-44-92-02 |
| eClass 9.0 | 27-44-04-92 | eClass 9.1 | 27-44-04-92 |

### Notes

#### Notes

|                |                                                                                                                                                                                                                                                                                                                            |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Approvals

#### Approvals



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

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## Technical data

### Downloads

Approval/Certificate/Document of  
Conformity

[Declaration of the Manufacturer](#)

Brochure/Catalogue

[FL DRIVES EN](#)  
[MB DEVICE MANUF. EN](#)  
[FL DRIVES DE](#)  
[CAT 2 PORTFOLIOGUIDE EN](#)  
[FL BUILDING SAFETY EN](#)  
[FL APPL LED LIGHTING EN](#)  
[FL INDUSTR.CONTROLS EN](#)  
[FL MACHINE SAFETY EN](#)  
[FL HEATING ELECTR EN](#)  
[FL APPL INVERTER EN](#)  
[FL BASE STATION EN](#)  
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[FL POWER SUPPLY EN](#)  
[FL 72H SAMPLE SER EN](#)  
[PO OMNIMATE EN](#)