

BL 3.50 AH03 BK BX**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Version	PCB plug-in connector, Accessories, Hood, black, Number of poles: 3
Order No.	1745580000
Type	BL 3.50 AH03 BK BX
GTIN (EAN)	4008190985141
Qty.	10 pc(s).
Product data	
Packaging	Box

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Technical data**Dimensions and weights**

Net weight	2.2 g
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System specifications

Product family	OMNIMATE Signal - series BL/SL 3.50				
Pitch in mm (P)	3.5 mm				
Pitch in inches (P)	0.138 "				
Number of poles	3				
L1 in inches	0.138 "				
Pin series quantity	1				
Tightening torque	Torque type		Cover screw		
	Usage information		Tightening torque	min.	0.4 Nm
				max.	0.5 Nm

Material data

Insulating material	PBT	Colour	black
Colour chart (similar)	RAL 9011	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	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
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Packing

Packaging	Box	VPE length	110 mm
VPE width	73 mm	VPE height	14 mm

Classifications

ETIM 6.0	EC002943	ETIM 7.0	EC002943
ETIM 8.0	EC002943	ETIM 9.0	EC002943
ETIM 10.0	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
ECLASS 13.0	27-46-04-05	ECLASS 14.0	27-46-04-05
ECLASS 15.0	27-46-04-05		

Environmental Product Compliance

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

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 maximum humidity 70%, 36 months

Creation date May 16, 2025 12:18:10 AM CEST

Catalogue status 10.05.2025 / We reserve the right to make technical changes.

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www.weidmueller.com**Technical data****Approvals**

ROHS	Conform
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Downloads

Approval/Certificate/Document of Con-	
formity	Declaration of the Manufacturer

Engineering Data	CAD data – STEP
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Catalogues	Catalogues in PDF-format
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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 ELECTRON 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
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