

PB-FEED 160 50/02RF AG BK BX

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image

Similar to illustration

- Future-proof design
- Different module sizes
- Simple device integration
- Simple plug-and-play solution – fast replacement of individual modules from a single device network
- Quick and easy installation without tools
- Safe locking of busbar connectors
- Touch-safe construction
- Tolerance compensation in the rail system allows simple mounting of the devices on the panel mounting plate without extreme accuracy
- Uncomplicated UL approval with registered UL components
- Ideal design of size and technical data for typical multi-axis servo amplifiers

General ordering data

Version	PCB plug-in connector, Box
Order No.	2594950000
Type	PB-FEED 160 50/02RF AG BK BX
GTIN (EAN)	4050118607345
Qty.	20 pc(s).
Product data	IEC: 1000 V / 160 A UL: 750 V dc / 160 A
Packaging	Box

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Technical data**Dimensions and weights**

Net weight 40 g

System specifications

Product family	OMNIMATE Power - Powerbus series	L1 in mm	50 mm
L1 in inches	1.969 inch	Touch-safe protection acc. to DIN VDE 0470	IP20 plugged
Volume resistance	≤5 mΩ	Plugging cycles	25
Plugging force/pole, max.	90 N	Pulling force/pole, max.	65 N

Material data

Insulating material	PA GF	Colour	black
Colour chart (similar)	RAL 9011	Insulating material group	II
Comparative Tracking Index (CTI)	≥ 400	Insulation strength	≥ 10 ⁸ Ω
UL 94 flammability rating	V-0	Layer structure of plug contact	4...6 μm Ag
Storage temperature, min.	-40 °C	Storage temperature, max.	70 °C
Operating temperature, min.	-50 °C	Operating temperature, max.	125 °C
Temperature range, installation, min.	-20 °C	Temperature range, installation, max.	65 °C

Rated data acc. to IEC

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. number of poles (Tu=20°C)	160 A
Rated current, max. number of poles (Tu=20°C)	160 A	Rated current, min. number of poles (Tu=40°C)	140 A
Rated current, max. number of poles (Tu=40°C)	140 A	Rated voltage for surge voltage class / pollution degree II/2	1,000 V
Rated voltage for surge voltage class / pollution degree III/2	1,000 V	Rated voltage for surge voltage class / pollution degree III/3	800 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	8 kV
Rated impulse voltage for surge voltage class/ contamination degree III/3	8 kV	Short-time withstand current resistance	3 x 1s mit 1000 A

Rated data acc. to UL 508

Rated voltage	750 V dc	Rated current	160 A
Creepage distance, min.	11.2 mm	Luftstrecke, min	10.1 mm

Packing

Packaging	Box	VPE length	245 mm
VPE width	152 mm	VPE height	72 mm

Classifications

ETIM 6.0	EC002638	ETIM 7.0	EC002638
ECLASS 9.0	27-44-03-09	ECLASS 9.1	27-44-03-09
ECLASS 10.0	27-44-03-09	ECLASS 11.0	27-46-02-02

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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">• Additional colours on request• IEC- rated current is based on 20°C ambiente temperature, further values see derating curve• UL508- rated current based on 65°C ambiente temperature and max. 20 divices• 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.• Further module lengths on request.• Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

Approvals

Approvals



UL File Number Search [E196651](#)

Downloads

Engineering Data [STEP](#)
Brochure/Catalogue [Catalogues in PDF-format](#)

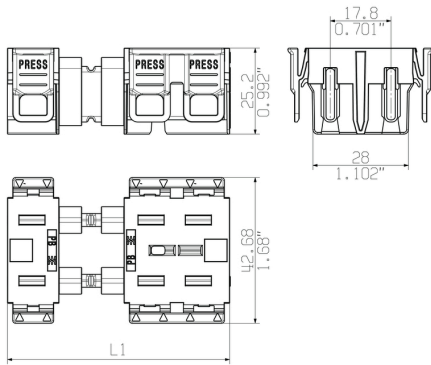
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Drawings

Dimensional drawing



Application

