



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 multiaxis servo amplifiers

General ordering data

lug-in connector, female header, Cable , Pitch in mm (P): 42.50 mm, Number of 2, 90°, Box	
<u>2662670000</u>	
PB-CON 160 S/02/90RFSF AG BK BX CO	
4050118675979	
ms	
000 V / 160 A 50 V / 160 A	

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Catalogue status / Drawings





PB-CON 160 S/02/90RFSF AG BK BX CO

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Technical data

Approvals	Α	p	p	r	o	ν	a	ı	s
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Approvals	
ROHS	C TYPE US Conform
UL File Number Search	<u>UL Website</u>
Certificate No. (cURus)	E196651

Dimensions and weights

Net weight 55.24 g

Environmental Product Compliance

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

System specifications

Type of connection	Board connection			
Mounting onto the PCB	Cable gland			
Pitch in mm (P)	42.50 mm			
Pitch in inches (P)	1.670 "			
Outgoing elbow	90°			
Number of poles	2			
L1 in mm	42.50 mm			
L1 in inches	1.670 "			
Number of rows	1			
Pin series quantity	1			
Touch-safe protection acc. to DIN VDE 0470	IP20 plugged			
Protection degree	IP20			
Volume resistance	≤5 mΩ			
Can be coded	Yes			
Plugging force/pole, max.	90 N			
Pulling force/pole, max.	65 N			
Tightening torque	Torque type	Housing		
	Usage information	Thickness	nominal	2 mm
		Tightening torque	min.	0.5 Nm
			max.	0.7 Nm
		Recommended screv		PB-CON SF
			number	DELTA PT
	-	DOD.		<u>40X12</u>
	Torque type	PCB		
	Usage information	Thickness	min.	0.8 mm
			max.	3.2 mm
		Tightening torque	min.	1.44 Nm
			max.	1.76 Nm
		Recommended screv		PB-CON
			number	IKSC M4X8 A2
				<u> </u>

Material data

Insulating material	PA GF	Colour	black	
Colour chart (similar)	RAL 9011	Insulating material group	II	_

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Technical data

Comparative Tracking Index (CTI)	≥ 400	Moisture Level (MSL)	
UL 94 flammability rating	V-0	Contact material	Cu-alloy
Contact surface	silver-plated	Layer structure of plug contact	46 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	160 A
		(Tu=20°C)	
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	1000 V
Rated voltage for surge voltage class / pollution degree III/2	1000 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
Creepage distance, min.	8 mm	Clearance, min.	5.6 mm

Rated data acc. to UL 508

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

Packing

Packaging	Box	VPE length	304.00 mm
VPE width	218.00 mm	VPE height	51.00 mm

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	Additional variants on request IEC roted current is based on 20 °C ambients temperature, further values see denating curves.

- UL508-rated current based on 65 °C ambiente temperature and max. 20 devices
- 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.

 In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or
- capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

Classifications

			'
ETIM 6.0	EC002637	ETIM 7.0	EC002637
ETIM 8.0	EC002637	ETIM 9.0	EC002637
ETIM 10.0	EC002637	ECLASS 9.0	27-44-04-02
ECLASS 9.1	27-44-04-02	ECLASS 10.0	27-44-04-02
ECLASS 11.0	27-46-02-01	ECLASS 12.0	27-46-02-01
ECLASS 13.0	27-46-02-01	ECLASS 14.0	27-46-02-01
ECLASS 15.0	27-46-02-01		

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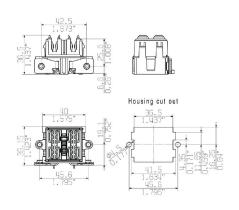
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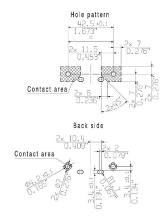
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Drawings

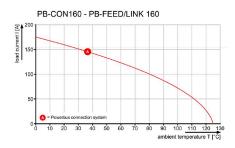
Dimensional drawing



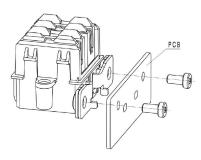
Dimensional drawing



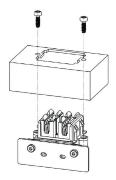
Graph



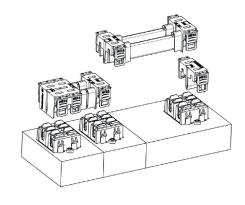
Application



Application



Application



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