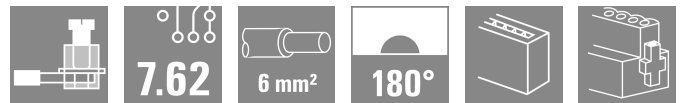


## BVZ 7.62HP/08/180FC SN BK BX SO

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

[www.weidmueller.com](http://www.weidmueller.com)

### Product image



High-performance female header with the proven, 100% maintenance-free Weidmüller steel clamping yoke. Side-by-side mounting without sacrificing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum operating reliability thanks to a mating profile that prevents incorrect connection, unique coding diversity, protection against faulty wiring, 4-point contact. Suitable for labelling.

### General ordering data

Version	PCB plug-in connector, female plug, 7.62 mm, Number of poles: 8, 180°, Clamping yoke connection, Box
Order No.	<a href="#">2976100000</a>
Type	BVZ 7.62HP/08/180FC SN BK BX SO
GTIN (EAN)	4099986824669
Qty.	20 items
Product data	IEC: 1000 V / 0.2 - 10 mm <sup>2</sup> UL:
Packaging	Box

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## Technical data

### Approvals

Approvals



UL File Number Search

[UL Website](#)

Certificate No. (cURus)

E60693

### Dimensions and weights

Depth	42.1 mm	Depth (inches)	1.6575 inch
Height	23.1 mm	Height (inches)	0.9094 inch
Width	76.2 mm	Width (inches)	3 inch
Net weight	57.47 g		

### Environmental Product Compliance

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

### System Parameters

Product family	OMNIMATE Power - series BV/SV 7.62HP	Wire connection method	Clamping yoke connection
Pitch in mm (P)	7.62 mm	Conductor outlet direction	180°
Number of poles	8	Pin series quantity	1
Protection degree	IP20	Plugging cycles	25

### Material data

Insulating material	PA GF	Colour	black
Colour chart (similar)	RAL 9011	Moisture Level (MSL)	
UL 94 flammability rating	V-0	Contact material	Copper alloy
Contact surface	tinned	Operating temperature, min.	-50 °C
Operating temperature, max.	125 °C		

### Conductors suitable for connection

Solid, min. H05(07) V-U	0.2 mm <sup>2</sup>	Solid, max. H05(07) V-U	6 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.2 mm <sup>2</sup>	Flexible, max. H05(07) V-K	10 mm <sup>2</sup>
w. wire end ferrule, DIN 46228 pt 1, min.	0.5 mm <sup>2</sup>	w. wire end ferrule, DIN 46228 pt 1, max.	6 mm <sup>2</sup>

Reference text  
 The outside diameter of the plastic collar should not be larger than the pitch (P). Length of ferrules is to be chosen depending on the product and the rated voltage.

### Rated data acc. to IEC

Rated current, max. number of poles (Tu=20°C)	54 A	Rated current, min. number of poles (Tu=40°C)	51 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 impulse voltage for surge voltage class/ pollution degree II/2	6000 V	Rated impulse voltage for surge voltage class/ pollution degree III/2	8 kV

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## Technical data

### Rated data acc. to UL 1059

Institute (cURus)	CURUS	Certificate No. (cURus)	E60693
Rated voltage (Use group F / UL 1059)	1000 V	Rated current (Use group F / UL 1059)	40.5 A
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

### Packing

Packaging	Box	VPE length	338.00 mm
VPE width	130.00 mm	VPE height	44.00 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	<ul style="list-style-type: none"> <li>• Additional variants on request</li> <li>• Rated current related to rated cross-section &amp; min. No. of poles.</li> <li>• Wire end ferrule with plastic collar to DIN 46228/4</li> <li>• Wire end ferrule without plastic collar to DIN 46228/1</li> <li>• P on drawing = pitch</li> <li>• 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.</li> <li>• In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load</li> <li>• Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months</li> </ul>

### Classifications

ETIM 8.0	EC002638	ETIM 9.0	EC002638
ETIM 10.0	EC002638	ECLASS 14.0	27-46-02-02
ECLASS 15.0	27-46-02-02		

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Drawings

Product image



Dimensional drawing

