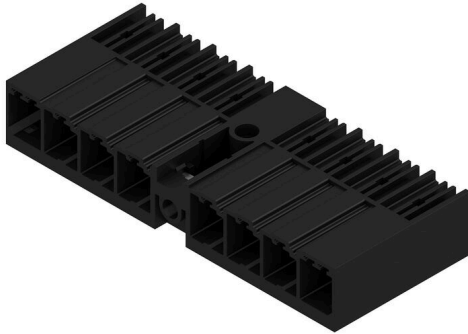


**SV 7.62HP/08/90MSF5 3.5SN BK BX**

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

www.weidmueller.com

**Product image**


Single-row, high-current and high-performance male headers for side-by-side mounting without sacrificing any poles or with flange for fast fixing without tools. Maximum connection and operating reliability thanks to a mating profile that prevents incorrect connection, unique coding diversity and additional fastening in the flange.

**General ordering data**

Version	PCB plug-in connector, male header, closed side, Middle screw flange, THT solder connection, 7.62 mm, Number of poles: 8, 180°, Solder pin length (l): 3.5 mm, tinned, black, Box
Order No.	<a href="#">2474130000</a>
Type	SV 7.62HP/08/90MSF5 3.5SN BK BX
GTIN (EAN)	4050118485929
Qty.	24 items
Product data	IEC: 1000 V / 57 A UL: 300 V / 40.5 A
Packaging	Box

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**Technical data**

**Dimensions and weights**

Depth	11.4 mm	Depth (inches)	0.4488 inch
Height	28.3 mm	Height (inches)	1.1142 inch
Width	68.58 mm	Width (inches)	2.7 inch
Net weight	15.5 g		

**Environmental Product Compliance**

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

**System specifications**

Product family	OMNIMATE Power - series BV/SV 7.62HP		
Type of connection	Board connection		
Mounting onto the PCB	THT solder connection		
Pitch in mm (P)	7.62 mm		
Pitch in inches (P)	0.300 "		
Outgoing elbow	180°		
Number of poles	8		
Number of solder pins per pole	2		
Solder pin length (l)	3.5 mm		
Solder pin length tolerance	+0.1 / -0.3 mm		
Solder pin dimensions	0.8 x 1.0 mm		
Solder eyelet hole diameter (D)	1.4 mm		
Solder eyelet hole diameter tolerance (D)	+ 0,1 mm		
L1 in mm	53.34 mm		
L1 in inches	2.100 "		
Number of rows	1		
Pin series quantity	1		
Touch-safe protection acc. to DIN VDE 57 106	Touch-safe above the printed circuit board		
Touch-safe protection acc. to DIN VDE 0470	IP 20		
Protection degree	IP20, when fully mounted		
Volume resistance	2.00 mΩ		
Can be coded	Yes		
Tightening torque for screw flange, min.	0.2 Nm		
Tightening torque for screw flange, max.	0.3 Nm		
Plugging cycles	25		
Tightening torque	Torque type Usage information	Screw flange	
		Thickness	nominal 1.6 mm
			nominal 3.2 mm
		Tightening torque	min. 0.65 Nm
			max. 0.85 Nm
		Recommended screw	Screw type EJOT Delta PT 30x10 or similar
		Thickness	nominal 4.8 mm
			Tightening torque
			max. 1 Nm
Recommended screw	Screw type EJOT Delta PT 30x12 or similar		

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## Technical data

### Material data

Insulating material	PA GF	Colour	black
Colour chart (similar)	RAL 9011	Insulating material group	II
Comparative Tracking Index (CTI)	≥ 500	Moisture Level (MSL)	
UL 94 flammability rating	V-0	Contact material	Copper alloy
Contact surface	tinned	Layer structure of solder connection	1...3 µm Ni / 4...6 µm Sn matt
Layer structure of plug contact	1...3 µm Ni / 4...6 µm Sn matt	Storage temperature, min.	-40 °C
Storage temperature, max.	70 °C	Operating temperature, min.	-50 °C
Operating temperature, max.	130 °C	Temperature range, installation, min.	-25 °C
Temperature range, installation, max.	130 °C		

### Rated data acc. to IEC

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. number of poles (Tu=20°C)	57 A
Rated current, max. number of poles (Tu=20°C)	41 A	Rated current, min. number of poles (Tu=40°C)	41 A
Rated current, max. number of poles (Tu=40°C)	41 A	Rated voltage for surge voltage class / pollution degree II/2	1000 V
Rated voltage for surge voltage class / pollution degree III/2	630 V	Rated voltage for surge voltage class / pollution degree III/3	630 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	6 kV
Rated impulse voltage for surge voltage class/ contamination degree III/3	6 kV	Short-time withstand current resistance	3 x 1s with 420 A
Creepage distance, min.	9.6 mm	Clearance, min.	6.9 mm

### Rated data acc. to CSA

Rated voltage (Use group B / CSA)	300 V	Rated voltage (Use group C / CSA)	300 V
Rated voltage (Use group D / CSA)	600 V	Rated current (Use group B / CSA)	35 A
Rated current (Use group C / CSA)	35 A	Rated current (Use group D / CSA)	5 A

### Rated data acc. to UL 1059

Rated voltage (Use group B / UL 1059)	300 V	Rated voltage (Use group C / UL 1059)	300 V
Rated voltage (Use group D / UL 1059)	600 V	Rated voltage (Use group F / UL 1059)	744 V
Rated current (Use group B / UL 1059)	40.5 A	Rated current (Use group C / UL 1059)	40.5 A
Rated current (Use group D / UL 1059)	5 A	Rated current (Use group F / UL 1059)	40.5 A
Creepage distance, min.	9.6 mm	Clearance distance, min.	6.9 mm

### Packing

Packaging	Box	VPE length	351.00 mm
VPE width	135.00 mm	VPE height	40.00 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>• 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> </ul>

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## Technical data

- 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
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

### Classifications

ETIM 8.0	EC002637	ETIM 9.0	EC002637
ETIM 10.0	EC002637	ECLASS 14.0	27-46-02-01
ECLASS 15.0	27-46-02-01		

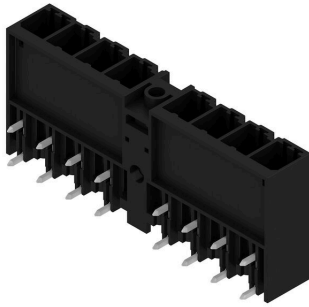
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Drawings

Product image



Dimensional drawing



Dimensional drawing

