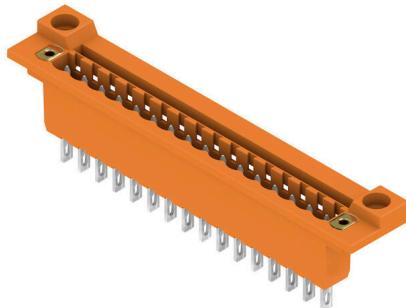


SLDF 5.08/16/180F L/F SN OR BX

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

www.weidmueller.com

Product image

Male connector for through-panel mounting with optional locking function. Internal connection as flat-blade or solder connection. These male connectors provide space for labelling and can be coded.

General ordering data

Version	PCB plug-in connector, male header, 5.08 mm, Number of poles: 16, 180°, Flat-blade connection, Solder connection, Box
Order No.	2540790000
Type	SLDF 5.08/16/180F L/F SN OR BX
GTIN (EAN)	4050118553086
Qty.	18 items
Product data	IEC: 400 V / 15 A UL: 300 V / 10 A
Packaging	Box

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Technical data

Approvals

RoHS	Conform
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Dimensions and weights

Depth	28 mm	Depth (inches)	1.1024 inch
Height	17.32 mm	Height (inches)	0.6819 inch
Width	100.9 mm	Width (inches)	3.9724 inch
Net weight	15.73 g		

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	beb3b726-b512-4df5-8ccf-6e4395dc0e51

System specifications

Product family	OMNIMATE Signal - series BL/SL 5.08	Type of connection	Field connection
Pitch in mm (P)	5.08 mm	Pitch in inches (P)	0.200 "
Outgoing elbow	180°	Number of poles	16
L1 in mm	76.20 mm	L1 in inches	3.000 "
Number of rows	1	Pin series quantity	1
Protection degree	IP20	Volume resistance	≤5 mΩ
Can be coded	Yes	Plugging cycles	25
Plugging force/pole, max.	6.5 N	Pulling force/pole, max.	5 N

Material data

Insulating material	PBT	Colour	orange
Colour chart (similar)	RAL 2000	Insulating material group	IIIa
Comparative Tracking Index (CTI)	≥ 200	Moisture Level (MSL)	
UL 94 flammability rating	V-0	Contact material	Cu-alloy
Contact surface	tinned	Layer structure of plug contact	4...8 µm Sn hot-dip tinned
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

Conductors suitable for connection

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.
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Rated data acc. to IEC

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. number of poles (Tu=20°C)	15 A
Rated current, min. number of poles (Tu=40°C)	13 A	Rated voltage for surge voltage class / pollution degree II/2	400 V

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Technical data

Rated voltage for surge voltage class / 320 V
pollution degree III/2

Rated impulse voltage for surge voltage 4 kV
class/ pollution degree II/2

Rated impulse voltage for surge voltage 4 kV
class/ contamination degree III/3

Rated voltage for surge voltage class / 250 V
pollution degree III/3

Rated impulse voltage for surge voltage 4 kV
class/ pollution degree III/2

Rated data acc. to CSA

Rated voltage (Use group B / CSA) 300 V
Rated current (Use group B / CSA) 10 A

Rated voltage (Use group D / CSA) 300 V
Rated current (Use group D / CSA) 10 A

Rated data acc. to UL 1059

Rated voltage (Use group B / UL 1059) 300 V
Rated current (Use group B / UL 1059) 10 A

Rated voltage (Use group D / UL 1059) 300 V
Rated current (Use group D / UL 1059) 10 A

Packing

Packaging Box
VPE width 135.00 mm

VPE length 350.00 mm
VPE height 38.00 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

- 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 10.0 EC002637
ECLASS 15.0 27-46-02-01

ETIM 9.0 EC002637
ECLASS 14.0 27-46-02-01

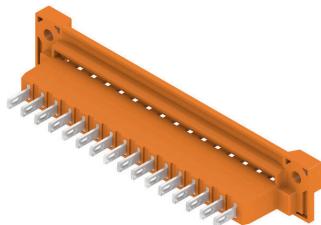
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Drawings

Product image



Dimensional drawing

