



Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com















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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: 8, 180°, Flat-blade connection, Solder connection, Box
Order No.	<u>1599190000</u>
Туре	SLDF 5.08 L/F 8 SN OR BX
GTIN (EAN)	4008190126544
Qty.	30 items
Product data	IEC: 400 V / 15 A UL: 300 V / 10 A
Packaging	Вох

# **SLDF 5.08 L/F 8 SN OR BX**



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# **Technical data**

# **Approvals**

Approvals



ROHS	Conform	
UL File Number Search	<u>UL Website</u>	
Certificate No. (UR)	E60693	

# **Dimensions and weights**

Depth	28 mm	Depth (inches)	1.1024 inch
Height	17.5 mm	Height (inches)	0.689 inch
Width	60.36 mm	Width (inches)	2.3764 inch
Net weight	8.56 g		

## **Environmental Product Compliance**

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

#### **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	8
L1 in mm	35.56 mm	L1 in inches	1.400 "
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	Illa
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	48 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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Catalogue status / Drawings 2





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# **Technical data**

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
Rated voltage for surge voltage class /	320 V	Rated voltage for surge voltage class /	250 V

class/ pollution degree III/2

Rated voltage for surge voltage class / 320 V Rated voltage for surge voltage class / 250 V pollution degree III/2 pollution degree III/3

Rated impulse voltage for surge voltage 4 kV Rated impulse voltage for surge voltage 4 kV

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

## Rated data acc. to CSA

class/ pollution degree II/2

Institute (CSA)	CSA	Certificate No. (CSA)	200039-1121690
Rated voltage (Use group B / CSA)	300 V	Rated voltage (Use group D / CSA)	300 V
Rated current (Use group B / CSA)	10 A	Rated current (Use group D / CSA)	10 A
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

#### Rated data acc. to UL 1059

Institute (UR)	UR	Certificate No. (UR)	E60693
Rated voltage (Use group B / UL 1059)	300 V	Rated voltage (Use group D / UL 1059)	300 V
Rated current (Use group B / UL 1059)	10 A	Rated current (Use group D / UL 1059)	10 A
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

# **Packing**

Packaging	Box	VPE length	353.00 mm
VPE width	136.00 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 A
  - Additional variants on request
    Rated current related to rated cross-section & min. No. of poles.
  - Connectable cables with solder connection solid and flexible up to 2.5 mm<sup>2</sup> with insulating/ shrink-wrap sleeve or from 2.8 mm flat blade receptacles with insulated sleeves acc. to DIN IEC 760
  - P on drawing = pitch
  - 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 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

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# **Technical data**

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		

# SLDF 5.08 L/F 8 SN OR BX



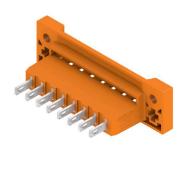
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# **Drawings**

# **Product image**



# **Dimensional drawing**

