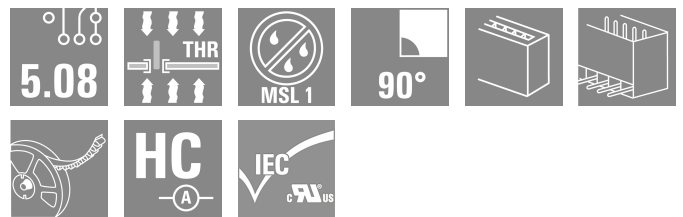
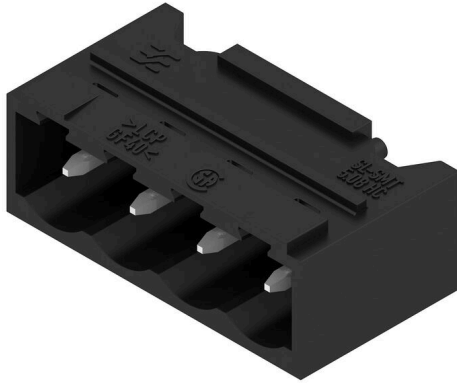


SL-SMT 5.08HC/04/90G 2.6SN BK RL

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

www.weidmueller.com

Product image


High-temperature-resistant pin header, packed in box or tape. On tape, with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

General ordering data

Version	PCB plug-in connector, male header, closed side, THT/THR solder connection, 5.08 mm, Number of poles: 4, 90°, Solder pin length (l): 2.6 mm, tinned, black, Tape
Order No.	2599860000
Type	SL-SMT 5.08HC/04/90G 2.6SN BK RL
GTIN (EAN)	4050118611311
Qty.	350 items
Product data	IEC: 400 V / 27.5 A UL: 300 V / 18.5 A
Packaging	Tape

SL-SMT 5.08HC/04/90G 2.6SN BK RL

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

www.weidmueller.com

Technical data

Dimensions and weights

Depth	12 mm	Depth (inches)	0.4724 inch
Height	9.9 mm	Height (inches)	0.3898 inch
Height of lowest version	8.4 mm	Width	22.22 mm
Width (inches)	0.8748 inch	Net weight	2.06 g

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption		
REACH SVHC	No SVHC above 0.1 wt%		
Product Carbon Footprint	Cradle to gate	0,097 kg CO ₂ eq.	

System specifications

Product family	OMNIMATE Signal - series BL/SL 5.08	Type of connection	Board connection
Mounting onto the PCB	THT/THR solder connection	Pitch in mm (P)	5.08 mm
Pitch in inches (P)	0.200 "	Outgoing elbow	90°
Number of poles	4	Number of solder pins per pole	1
Solder pin length (l)	2.6 mm	Solder pin length tolerance	0 / -0.3 mm
Solder pin dimensions	d = 1.2 mm, Octagonal	Solder eyelet hole diameter (D)	1.4 mm
Solder eyelet hole diameter tolerance (D)	+ 0,1 mm	L1 in mm	15.24 mm
L1 in inches	0.600 "	Number of rows	1
Pin series quantity	1	Touch-safe protection acc. to DIN VDE 57 106	finger-safe unplugged/ back-of-hand-safe plugged
Touch-safe protection acc. to DIN VDE 0470	IP20 plugged/ IP10 unplugged	Protection degree	IP20
Volume resistance	≤5 mΩ	Can be coded	Yes
Plugging force/pole, max.	9 N	Pulling force/pole, max.	7 N

Material data

Insulating material	LCP GF	Colour	black
Colour chart (similar)	RAL 9011	Insulating material group	IIIa
Comparative Tracking Index (CTI)	≥ 175	Moisture Level (MSL)	1
UL 94 flammability rating	V-0	Contact material	Cu-alloy
Contact surface	tinned	Layer structure of solder connection	1...3 μm Ni / 2...4 μm Sn matt
Layer structure of plug contact	1...3 μm Ni / 2...4 μm Sn matt	Storage temperature, min.	-40 °C
Storage temperature, max.	70 °C	Operating temperature, min.	-50 °C
Operating temperature, max.	100 °C	Temperature range, installation, min.	-30 °C
Temperature range, installation, max.	100 °C		

Rated data acc. to IEC

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. number of poles (Tu=20°C)	27.5 A
Rated current, max. number of poles (Tu=20°C)	19 A	Rated current, min. number of poles (Tu=40°C)	24 A
Rated current, max. number of poles (Tu=40°C)	16.5 A	Rated voltage for surge voltage class / pollution degree II/2	400 V
Rated voltage for surge voltage class / pollution degree III/2	320 V	Rated voltage for surge voltage class / pollution degree III/3	250 V

SL-SMT 5.08HC/04/90G 2.6SN BK RL

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

www.weidmueller.com

Technical data

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

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

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

Rated data acc. to CSA

Rated voltage (Use group B / CSA) 300 V
 Rated current (Use group B / CSA) 18.5 A

Rated voltage (Use group D / CSA) 300 V
 Rated current (Use group D / CSA) 18.5 A

Rated data acc. to UL 1059

Rated voltage (Use group B / UL 1059) 300 V
 Rated current (Use group B / UL 1059) 18.5 A

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

Packing

ESD Level packaging static dissipative
 VPE length 364.00 mm
 VPE height 54.00 mm
 Tape width (W) 44 mm
 Tape pocket height (AO) 12.30 mm
 Tape pocket separation (P1) 16.00 mm
 Tape pocket separation (F) 20.20 mm
 Surface resistance $R_s = 109 - 1012 \Omega$

Packaging Tape
 VPE width 340.00 mm
 Tape depth (T2) 13.00 mm
 Tape pocket depth (KO) 12.50 mm
 Tape pocket width (BO) 32.50 mm
 Tape hole separation (E) 1.75 mm
 Tape reel diameter \varnothing (A) 330 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

- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet $D = 1.4 + 0.1 \text{ mm}$
- Solder eyelet diameter $D = 1.5 + 0.1 \text{ mm}$, from 9 poles
- 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 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		

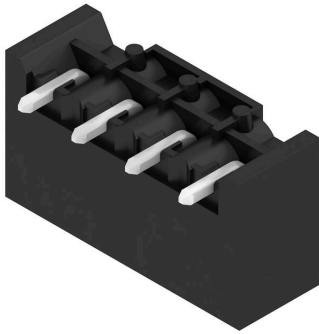
SL-SMT 5.08HC/04/90G 2.6SN BK RL

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

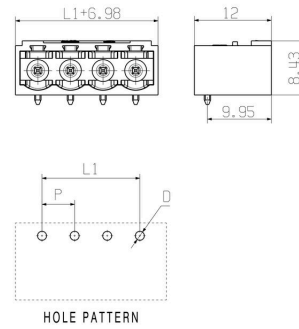
www.weidmueller.com

Drawings

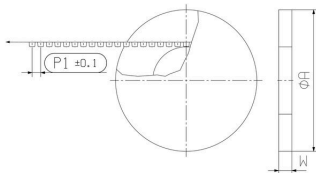
Product image



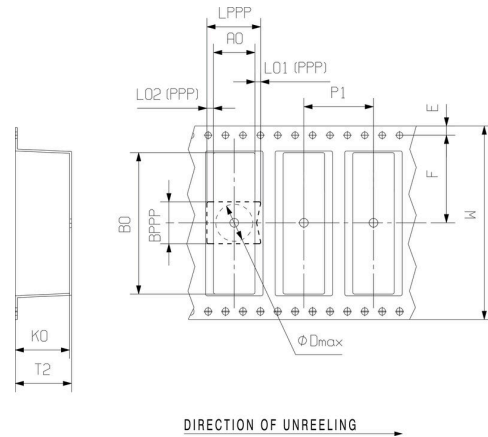
Dimensional drawing



Dimensional drawing



Dimensional drawing



Example of use



Product benefits



Safe power transmission Proven properties