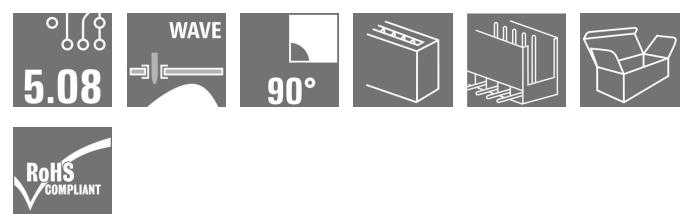


SLEH 5.08/3 LI17.5 2.4 SN SW BX

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

www.weidmueller.com

Product image

Originally designed for electronics housings, the SLEH male connector family is also universally suitable for use as an interface to the female plugs. The males, which are bent twice, ensure special orientation of the male header on the PCB: it is seated vertically on the PCB. The solder pin length is also optimised for wave soldering applications.

General ordering data

Version	PCB plug-in connector, male header, THT solder connection, 5.08 mm, Number of poles: 3, 180°, tinned, Box
Order No.	2278310000
Type	SLEH 5.08/3 LI17.5 2.4 SN SW BX
GTIN (EAN)	4032248276516
Qty.	500 pc(s).
Product data	IEC: 400 V / 16 A UL: 300 V / 12.5 A
Packaging	Box

Creation date September 17, 2022 10:05:07 PM CEST

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Technical data**Dimensions and weights**

Net weight	1.396 g
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System specifications

Product family	OMNIMATE Signal - series BL/SL 5.08	Type of connection	Board connection
Mounting onto the PCB	THT solder connection	Pitch in mm (P)	5.08 mm
Pitch in inches (P)	0.2 inch	Outgoing elbow	180°
Number of poles	3	Number of solder pins per pole	1
Solder pin dimensions	d = 1.2 mm	Solder eyelet hole diameter (D)	1.3 mm
Solder eyelet hole diameter tolerance (D)+ 0.1 mm		Outside diameter of solder pad	1.7 mm
L1 in mm	10.16 0.4 inch	L1 in inches	0.4 inch
Number of rows	1	Pin series quantity	1
Touch-safe protection acc. to DIN VDE 0470	IP 20	Protection degree	IP20
Volume resistance	≤5 mΩ	Can be coded	Yes
Plugging cycles	25		

Material data

Insulating material	PA	Insulation strength	≥ 10 ⁸ Ω
Contact material	Copper alloy	Contact surface	tinned
Coating	4-6 µm SN	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		

Rated data acc. to IEC

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. number of poles (Tu=20°C)	16 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 / pollution degree III/2	320 V	Rated voltage for surge voltage class / pollution degree III/3	250 V
Rated impulse voltage for surge voltage class/ pollution degree II/2	4 kV	Rated impulse voltage for surge voltage class/ pollution degree III/2	4 kV
Rated impulse voltage for surge voltage class/ contamination degree III/3	4 kV		

Rated data acc. to CSA

Rated voltage (Use group B / CSA)	300 V	Rated voltage (Use group D / CSA)	300 V
Rated current (Use group B / CSA)	12.5 A	Rated current (Use group D / CSA)	10 A

Packing

Packaging	Box	VPE length	259 mm
VPE width	157 mm	VPE height	77 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	• Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months

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Technical data**Approvals**

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (cURus)	E60693

Downloads

Catalogues

[Catalogues in PDF-format](#)

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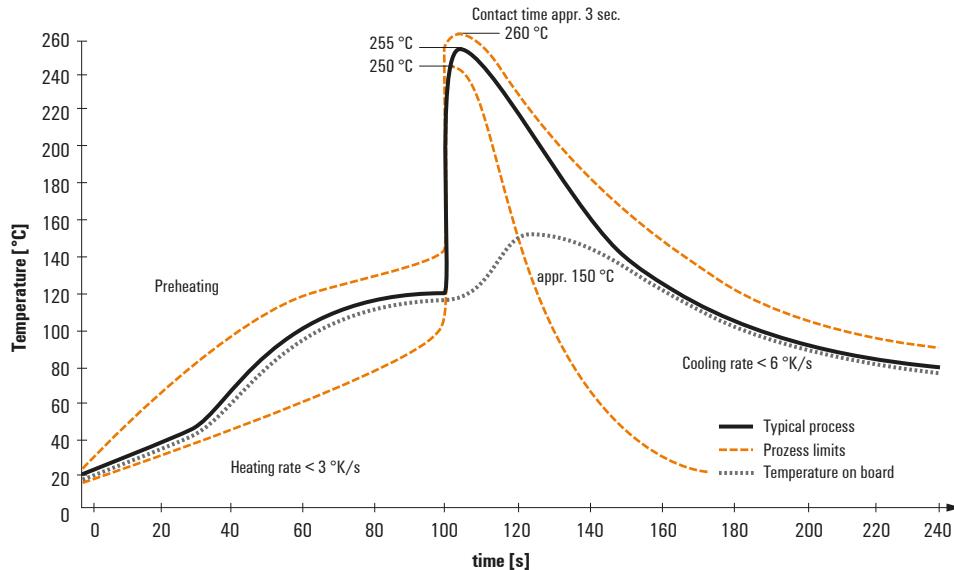
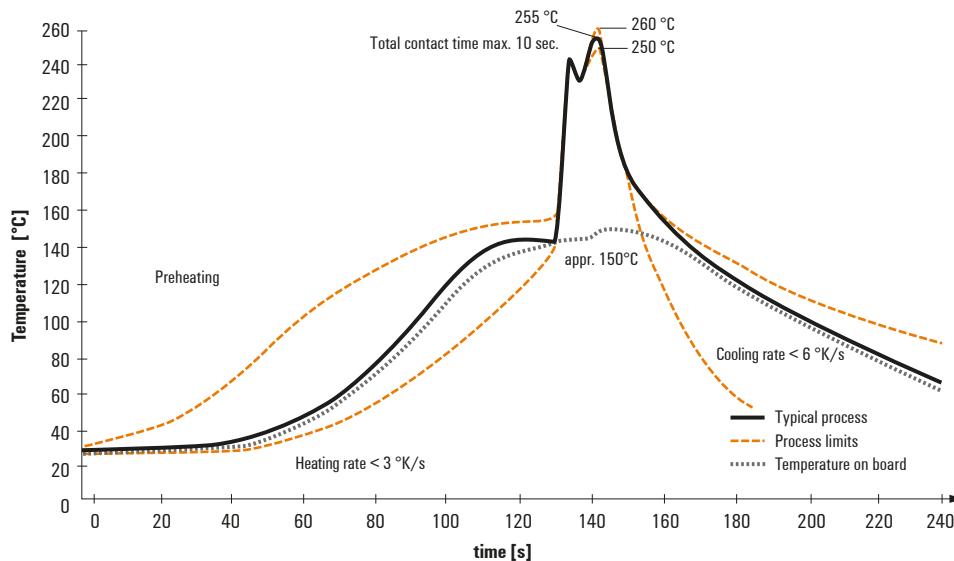
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Drawings**Product image**

Similar to illustration

Recommended wave soldering profiles

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Single Wave:**Double Wave:****Wave soldering profiles**

Wired connection elements should be processed in accordance with the DIN EN 61760-1 standard. We have included two recommendations for practical wave soldering profiles, with which Weidmüller PCB terminals and connectors are qualified.

When choosing a suitable profile for your application, the following factors also need to be considered:

- PCB thickness
- Proportion of Cu in the layers
- Single/double-sided assembly
- Product range
- Heating and cooling rates

The single and double wave profiles each indicate the recommended operating range, including the maximum soldering temperature of 260°C. In practice, the maximum soldering temperature is quite often well below the above maximum profile.