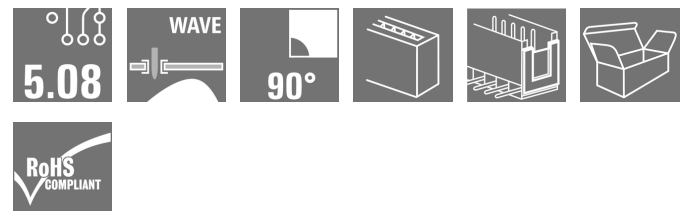


**OMNIMATE Signal - series BL/SL 5.08
SL 5.08/10/90B 3.2SN BK BX**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com



Male connectors with 90° outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

General ordering data

Delivery status	This article will no longer be available in the future.
Available until	2019-12-31
Type	SL 5.08/10/90B 3.2SN BK BX
Order No.	1201820000
Version	PCB plug-in connector, male header, Dovetails for fixing blocks, THT solder connection, 5.08 mm, No. of poles: 10, 90°, Solder pin length (l): 3.2 mm, black, Box
GTIN (EAN)	4032248984787
Qty.	50 pc(s).
Product data	UL:
Packaging	Box
Alternative product	1155670000

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Technical data**Dimensions and weights**

Width	52.8 mm	Width (inches)	2.079 inch
Height	11.6 mm	Height (inches)	0.457 inch
Height of lowest version	8.4 mm	Depth	12 mm
Depth (inches)	0.472 inch	Net weight	3.84 g

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	90°
No. of poles	10	Solder pin length (l)	3.2 mm
Solder pin length tolerance	+0.1 / -0.3 mm	Solder pin dimensions	d = 1.2 mm, Octagonal
Solder pin dimensions = d tolerance	0 / -0,03 mm	L1 in mm	45.72 mm
L1 in inches	1.8 inch	Pin series quantity	1
Plugging cycles	25		


Material data

Colour	black	Colour chart (similar)	RAL 9011
Insulating material group	IIIa	CTI	≥ 200
Insulation strength	≥ 10 ⁸ Ω	GWFI	960 °C
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.	-25 °C	Storage temperature, max.	55 °C
Max. relative humidity during storage	80 %	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
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Rated data acc. to CSA

Institute (CSA)		Certificate No. (CSA)	200039-1121690
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

Rated data acc. to UL 1059

Institute (UR)		Certificate No. (UR)	E60693
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

Data sheet

**OMNIMATE Signal - series BL/SL 5.08
SL 5.08/10/90B 3.2SN BK BX**

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Technical data

Packing

Packaging	Box	VPE length	47 mm
VPE width	95 mm	VPE height	175 mm

Classifications

ETIM 4.0	EC002637	ETIM 5.0	EC002637
ETIM 6.0	EC002637	eClass 6.2	27-26-07-04
eClass 7.1	27-44-04-02	eClass 8.1	27-44-04-02
eClass 9.0	27-44-04-02	eClass 9.1	27-44-04-02

Notes

Notes	
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.

Approvals

Approvals



ROHS	Conform
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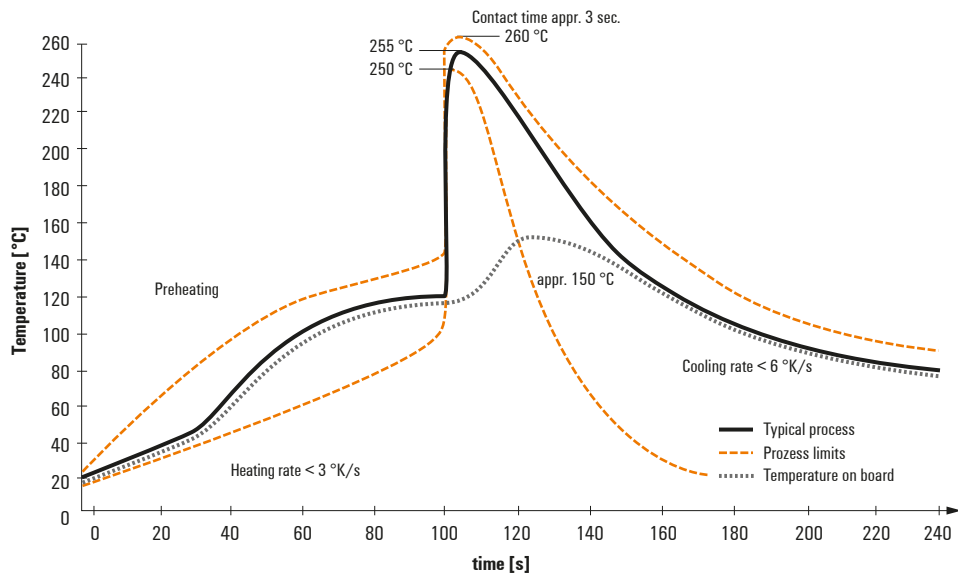
Downloads

Brochure/Catalogue	FL DRIVES EN FL DRIVES DE
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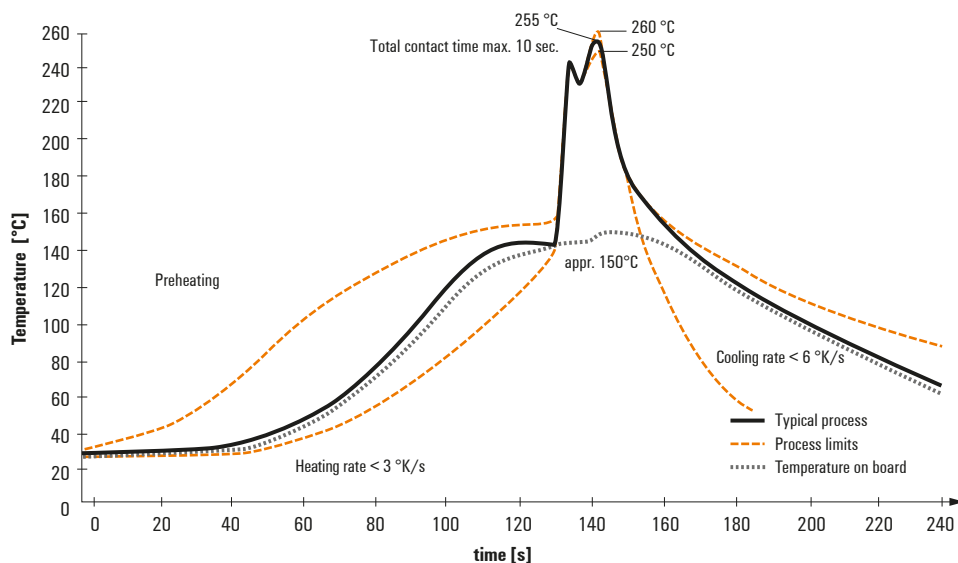
Recommended wave soldering profiles

Weidmüller Interface GmbH & Co. KG
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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.