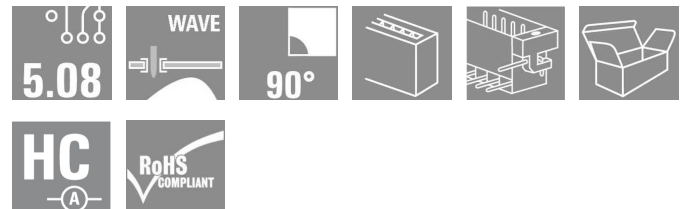


**OMNIMATE Signal - series BL/SL 5.08
SL 5.08HC/12/90LF 3.2SN OR BX**

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



Pin headers made from glass-fibre-reinforced plastic with 90° wire outlet; optimised for wave soldering. The flange variant (F) can be screwed onto the respective counter piece or the circuit board. There is no need for an extra screw to connect the circuit board when the solder flange (LF) version is used. This also protects the solder points from mechanical strain. All pin headers can be manually coded or ordered pre-coded. HC = High Current.

General ordering data

Type	SL 5.08HC/12/90LF 3.2SN OR BX
Order No.	1149710000
Version	PCB plug-in connector, male header, Solder flange, Solder connection, 5.08 mm, No. of poles: 12, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box
GTIN (EAN)	4032248936588
Qty.	50 pc(s).
Product data	IEC: 400 V / 24 A UL: 300 V / 18.5 A
Packaging	Box

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Technical data
Dimensions and weights

Net weight 5.424 g

System parameters

Product family		Mounting onto the PCB	
OMNIMATE Signal - series BL/SL 5.08		Solder connection	
Outgoing elbow	90°	Pitch in mm (P)	5.08 mm
Pitch in inches (P)	0.2 inch	No. of poles	12
Solder pin length (l)	3.2 mm	Solder pin length tolerance	0 / -0.3 mm
Solder pin dimensions	d = 1.2 mm, Octagonal	Can be coded	Yes
Number of solder pins per pole	1	Solder eyelet hole diameter (D)	1.3 mm
Solder eyelet hole diameter tolerance (D)	+ 0,1 mm	L1 in mm	55.88 mm
L1 in inches	2.2 inch	Insulation resistance	≥ 10 ⁸ Ω

Material data

Insulating material	PA GF	Colour	Orange
Insulating material group	II	UL 94 flammability rating	V-0
CTI	≥ 550	Contact material	Cu-Leg
Contact surface	tinned	Operating temperature, min.	-50 °C
Operating temperature, max.	100 °C	Temperature range, installation, min.	-25 °C
Temperature range, installation, max.	100 °C	Max. relative humidity during storage	80 %


Rating data acc. to IEC 60664-1 / IEC 61984

Rated current, min. no. of poles (Tu=20°C)	24 A	Rated current, max. no. of poles (Tu=20°C)	19 A
Rated current, number of poles (Tu=40°C), min	21 A	Rated current, number of poles (Tu=40°C), max.	16.5 A
Rated voltage for surge voltage class / pollution degree III/3	250 V	Rated impulse voltage for surge voltage class/ contamination degree III/3	4 kV
Rated voltage for surge voltage class / pollution degree III/2	320 V	Rated impulse voltage for surge voltage class/ pollution degree III/2	4 kV
Rated voltage for surge voltage class / pollution degree II/2	400 V	Rated impulse voltage for surge voltage class/ pollution degree II/2	4 kV

CSA rating data

Rated voltage (Use group B)	300 V	Rated current (use group B)	18.5 A
Rated voltage (use group D)	300 V	Rated current (use group D)	18.5 A

UL 1059 rating data

Institute (cURus)		Certificate No. (cURus)	E60693
Rated voltage (use group B)	300 V	Rated current (use group B)	18.5 A
Rated voltage (use group D)	300 V	Rated current (use group D)	10 A

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		

Creation date January 27, 2015 9:58:45 AM CET

Data sheet

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Technical data

Notes

- | | |
|-------|--|
| Notes | <ul style="list-style-type: none"> • Additional colours on request
 • Gold-plated contact surfaces on request
 • Rated current related to rated cross-section & min. No. of 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. |
|-------|--|

IPC conformity	The products are developed, manufactured and delivered according to the internationally recognised IPC-A-610 standard, category "permissible". More extensive demands on the products can be evaluated on request.
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Approvals

Approvals



ROHS

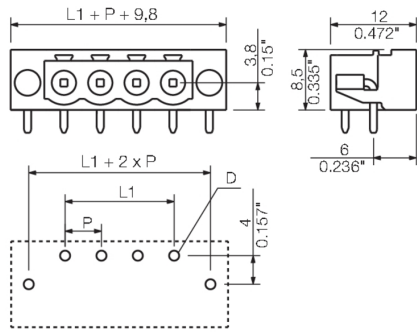
Conform

Data sheet

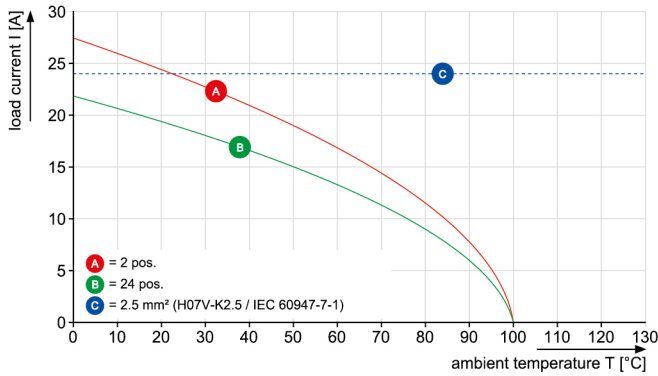
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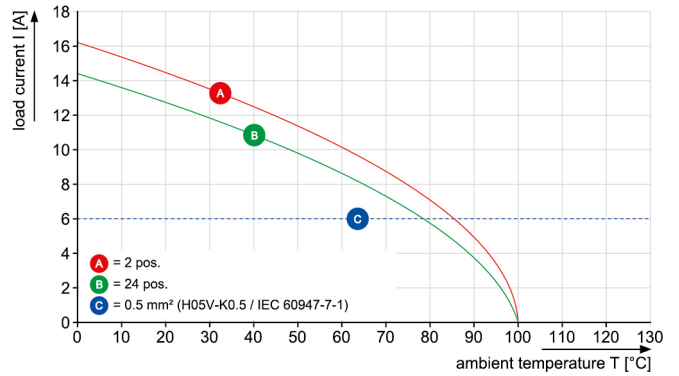
Drawings



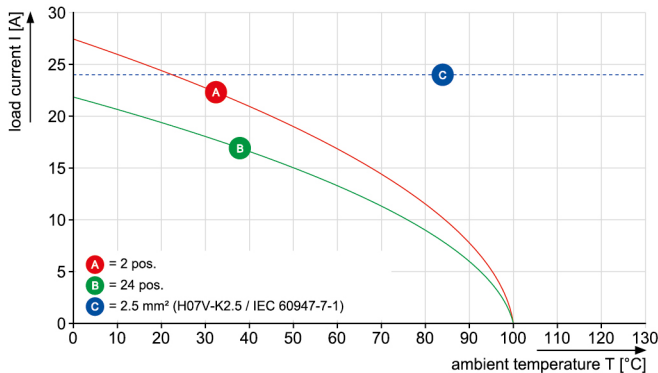
BLF 5.08HC/..90 - SL 5.08HC/..90



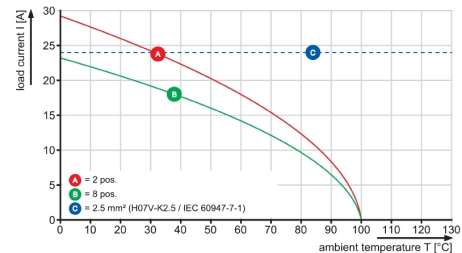
BLF 5.08HC/..90 - SL 5.08HC/..90



BLF 5.08HC/..270 - SL 5.08HC/..90



BLDF 5.08/180 - SL 5.08HC/..90



Data sheet**OMNIMATE Signal - series BL/SL 5.08
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Drawings