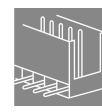
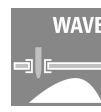
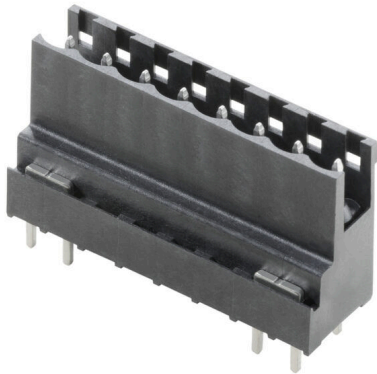


**SLH 5.08/08/180 3.2SN BL BX****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image****General ordering data**

|              |                                                                                                                                                               |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version      | PCB plug-in connector, male header, open side, THT/THR solder connection, 5.08 mm, Number of poles: 8, 180°, Solder pin length (l): 3.2 mm, tinned, blue, Box |
| Order No.    | <a href="#">2731070000</a>                                                                                                                                    |
| Type         | SLH 5.08/08/180 3.2SN BL BX                                                                                                                                   |
| GTIN (EAN)   | 4050118809909                                                                                                                                                 |
| Qty.         | 42 items                                                                                                                                                      |
| Product data | IEC: 400 V / 13.1 A<br>UL: 300 V / 10 A                                                                                                                       |
| Packaging    | Box                                                                                                                                                           |

## SLH 5.08/08/180 3.2SN BL BX

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## Technical data

## Approvals

Approvals



|                         |                            |
|-------------------------|----------------------------|
| ROHS                    | Conform                    |
| UL File Number Search   | <a href="#">UL Website</a> |
| Certificate No. (cURus) | E60693                     |

## Dimensions and weights

|            |          |                 |             |
|------------|----------|-----------------|-------------|
| Depth      | 13 mm    | Depth (inches)  | 0.5118 inch |
| Height     | 25.2 mm  | Height (inches) | 0.9921 inch |
| Width      | 40.64 mm | Width (inches)  | 1.6 inch    |
| Net weight | 6.37 g   |                 |             |

## Environmental Product Compliance

|                          |                                |
|--------------------------|--------------------------------|
| RoHS Compliance Status   | Compliant without exemption    |
| REACH SVHC               | No SVHC above 0.1 wt%          |
| Product Carbon Footprint | Cradle to gate 0.053 kg CO2eq. |

## System specifications

|                                           |                                     |                                 |                           |
|-------------------------------------------|-------------------------------------|---------------------------------|---------------------------|
| Product family                            | OMNIMATE Signal - series BL/SL 5.08 | Mounting onto the PCB           | THT/THR solder connection |
| Pitch in mm (P)                           | 5.08 mm                             | Pitch in inches (P)             | 0.200 "                   |
| Outgoing elbow                            | 180°                                | Number of poles                 | 8                         |
| Number of solder pins per pole            | 1                                   | 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                        | Solder eyelet hole diameter (D) | 1.3 mm                    |
| Solder eyelet hole diameter tolerance (D) | + 0.1 mm                            | Number of rows                  | 1                         |
| Pin series quantity                       | 1                                   | Protection degree               | IP20                      |
| Volume resistance                         | ≤5 mΩ                               | Can be coded                    | Yes                       |

## Material data

|                                  |          |                                      |                                |
|----------------------------------|----------|--------------------------------------|--------------------------------|
| Insulating material              | PA GF    | Colour                               | blue                           |
| Colour chart (similar)           | RAL 5012 | Insulating material group            | II                             |
| Comparative Tracking Index (CTI) | ≥ 550    | Moisture Level (MSL)                 |                                |
| 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 µm   | Storage temperature, min.            | -40 °C                         |
| Storage temperature, max.        | 70 °C    | Operating temperature, min.          | -50 °C                         |
| Operating temperature, max.      | 100 °C   |                                      |                                |

## Rated data acc. to IEC

|                                                                |        |                                                                      |        |
|----------------------------------------------------------------|--------|----------------------------------------------------------------------|--------|
| Rated current, min. number of poles (Tu=20°C)                  | 13.1 A | Rated current, max. number of poles (Tu=20°C)                        | 10.2 A |
| Rated current, min. number of poles (Tu=40°C)                  | 11.2 A | Rated current, max. number of poles (Tu=40°C)                        | 8.7 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   |

## SLH 5.08/08/180 3.2SN BL BX

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## Technical data

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

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

## Rated data acc. to CSA

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

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

## Rated data acc. to UL 1059

Institute (cURus) CURUS  
Rated voltage (Use group B / UL 1059) 300 V  
Rated current (Use group B / UL 1059) 10 A  
Reference to approval values Specifications are maximum values, details - see approval certificate.

Certificate No. (cURus) E60693  
Rated voltage (Use group D / UL 1059) 300 V  
Rated current (Use group D / UL 1059) 10 A

## Packing

Packaging Box VPE length 350.00 mm  
VPE width 138.00 mm VPE height 30.00 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.

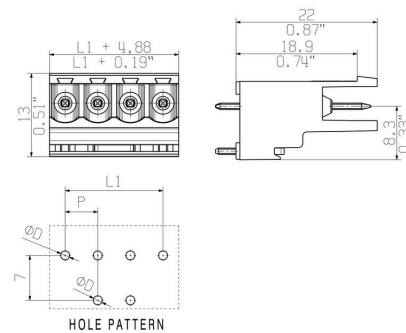
Notes

- 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.
- 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

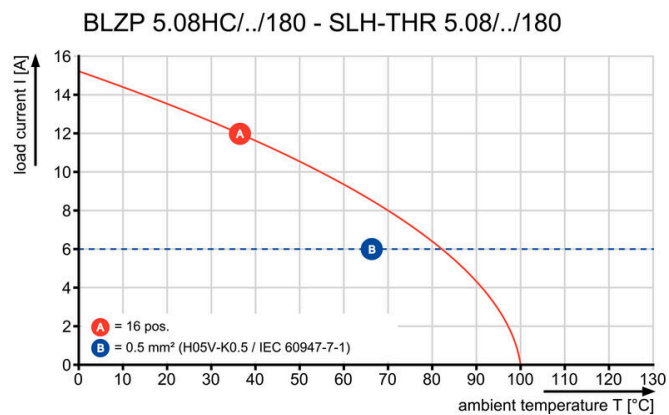
## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| 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 |             |             |

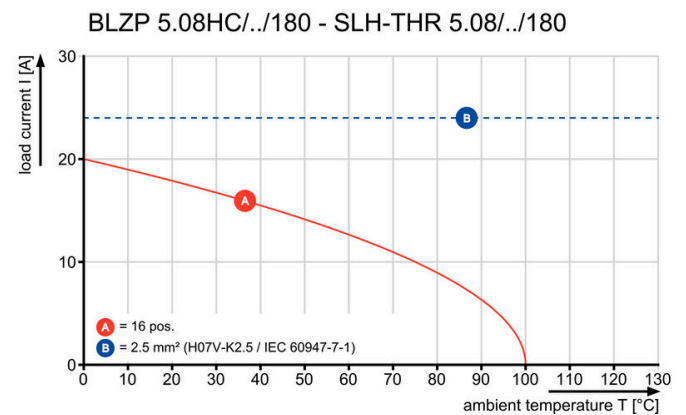
## Dimensional drawing



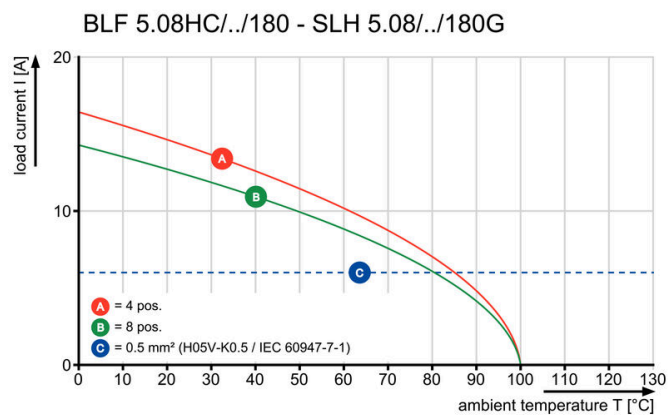
## Derating curve



## Derating curve



## Derating curve



## Derating curve

