

SHL-SMT 5.00/03GL 4.2BX

Weidmüller Interface GmbH & Co. KG

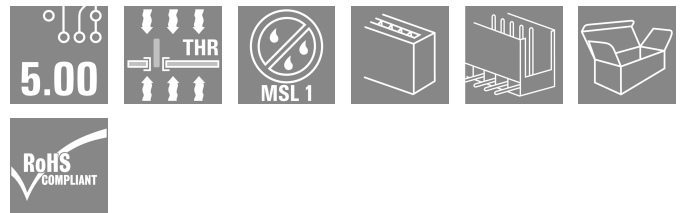
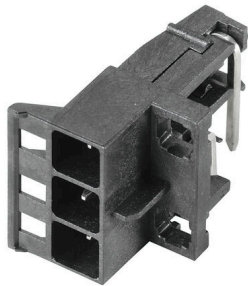
Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image



High-temperature-resistant, straight, open pin header. Packed in box or tape. On tape and 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, Connection element, left, male header, open side, THT/THR solder connection, 5.00 mm, Number of poles: 3, 90°, Solder pin length (l): 4.2 mm, tinned, black, Box |
| Order No. | 1069630000 |
| Type | SHL-SMT 5.00/03GL 4.2BX |
| GTIN (EAN) | 4032248824700 |
| Qty. | 120 items |
| Product data | IEC: 400 V UL: 300 V / 9 A / AWG 26 - AWG 12 |
| Packaging | Box |

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E60693

Dimensions and weights

| | | | |
|--------------------------|-------------|-----------------|-------------|
| Depth | 23.3 mm | Depth (inches) | 0.9173 inch |
| Height | 14.4 mm | Height (inches) | 0.5669 inch |
| Height of lowest version | 11.2 mm | Width | 15.4 mm |
| Width (inches) | 0.6063 inch | Length | 0 mm |
| Net weight | 2 g | | |

Environmental Product Compliance

RoHS Compliance Status Compliant without exemption

REACH SVHC No SVHC above 0.1 wt%

System Parameters

| | | | |
|---------------------|---------------------------------|---------------------|------------------|
| Product family | OMNIMATE Housing - series CH20M | Type of connection | Board connection |
| Pitch in mm (P) | 5.00 mm | Pitch in inches (P) | 0.197 " |
| Number of poles | 3 | L1 in mm | 10.00 mm |
| L1 in inches | 0.394 " | Number of rows | 1 |
| Pin series quantity | 1 | Protection degree | IP20 |
| Volume resistance | ≤5 mΩ | Can be coded | Yes |

Material data

| | | | |
|---------------------------------------|----------------|---------------------------------------|--------------|
| Insulating material | LCP | Colour | black |
| Colour chart (similar) | RAL 9011 | Insulating material group | IIIa |
| Comparative Tracking Index (CTI) | 175 ≤ CTI <400 | Moisture Level (MSL) | 1 |
| UL 94 flammability rating | V-0 | Contact material | Copper alloy |
| Contact surface | tinned | Storage temperature, min. | -40 °C |
| Storage temperature, max. | 70 °C | Operating temperature, min. | -40 °C |
| Operating temperature, max. | 120 °C | Temperature range, installation, min. | -30 °C |
| Temperature range, installation, max. | 120 °C | | |

Rated data acc. to IEC

| | | | |
|---|------------------------|---|-------|
| tested acc. to standard | IEC 60664-1, IEC 61984 | Rated current, max. number of poles (Tu=20°C) | 10 A |
| Rated current, max. number of poles (Tu=40°C) | 9 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 | | |

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Rated data acc. to CSA

| | | | |
|-----------------------------------|--|-----------------------------------|-----------------|
| Institute (CSA) | CSA | Certificate No. (CSA) | 200039-70153051 |
| Rated voltage (Use group B / CSA) | 300 V | Rated voltage (Use group C / CSA) | 50 V |
| Rated voltage (Use group D / CSA) | 300 V | Rated current (Use group B / CSA) | 9 A |
| Rated current (Use group C / CSA) | 9 A | Rated current (Use group D / CSA) | 9 A |
| Wire cross-section, AWG, min. | AWG 26 | Wire cross-section, AWG, max. | AWG 12 |
| Reference to approval values | Specifications are maximum values, details - see approval certificate. | | |

Rated data acc. to UL 1059

| | | | |
|---------------------------------------|--|---------------------------------------|--------|
| Institute (cURus) | CURUS | Certificate No. (cURus) | E60693 |
| Rated voltage (Use group B / UL 1059) | 300 V | Rated voltage (Use group C / UL 1059) | 50 V |
| Rated voltage (Use group D / UL 1059) | 300 V | Rated current (Use group B / UL 1059) | 9 A |
| Rated current (Use group C / UL 1059) | 9 A | Rated current (Use group D / UL 1059) | 9 A |
| Wire cross-section, AWG, min. | AWG 26 | Wire cross-section, AWG, max. | AWG 12 |
| Reference to approval values | Specifications are maximum values, details - see approval certificate. | | |

Material data

| | | | |
|---------------------------|------|----------------------------------|----------------|
| UL 94 flammability rating | V-0 | Insulating material | LCP |
| Insulating material group | IIIa | Comparative Tracking Index (CTI) | 175 ≤ CTI <400 |

General data

| | | | |
|------------------------|----------|----------------------|------|
| Colour | black | Protection degree | IP20 |
| Colour chart (similar) | RAL 9011 | Encapsulation option | No |

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. |
|----------------|--|

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 | | |

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Drawings

Example of use



Dimensioned drawing

