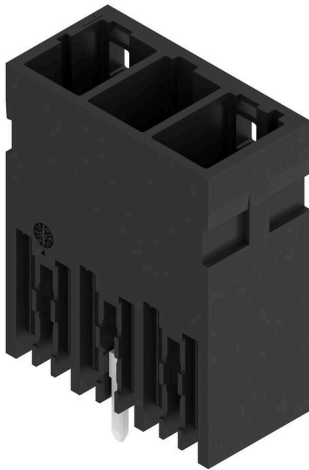


**MHS 6/03 V T3 B T**

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

www.weidmueller.com

**Product image****General ordering data**

|              |   |
|--------------|---|
| Version      | PCB plug-in connector, male header, THT/THR solder connection, Pitch in mm (P): 6.35 mm, Number of poles: 3, 180°, Tube |
| Order No.    | <a href="#">3128940000</a>  |
| Type         | MHS 6/03 V T3 B T   |
| GTIN (EAN)   | 4099987305044   |
| Qty.         | 24 items  |
| Product data | IEC: 1000 V / 32 A<br>UL: 300 V / 30 A  |
| Packaging    | Tube  |

## MHS 6/03 V T3 B T

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Dimensions and weights

|                          |             |                 |             |
|--------------------------|-------------|-----------------|-------------|
| Depth                    | 10.2 mm     | Depth (inches)  | 0.4016 inch |
| Height                   | 28.2 mm     | Height (inches) | 1.1102 inch |
| Height of lowest version | 25 mm       | Width           | 20.25 mm    |
| Width (inches)           | 0.7972 inch | Net weight      | 5.18 g      |

## Temperatures

|                     |                 |
|---------------------|-----------------|
| Ambient temperature | -50 °C...120 °C |
|---------------------|-----------------|

## Environmental Product Compliance

|                        |                             |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC             | No SVHC above 0.1 wt%       |

## System specifications

|  |                           |  |                  |
|--|---------------------------|--|------------------|
| Product family                               | OMNIMATE 4.0              | Type of connection                         | Board connection |
| Mounting onto the PCB                        | THT/THR solder connection | Pitch in mm (P)                            | 6.35 mm          |
| Pitch in inches (P)                          | 0.250 "                   | Outgoing elbow                             | 180°             |
| Number of poles                              | 3                         | Number of solder pins per pole             | 1                |
| Solder pin length (l)                        | 3.2 mm                    | Solder pin dimensions                      | 1.2 x 1.0 mm     |
| Solder eyelet hole diameter (D)              | 1.7 mm                    | Solder eyelet hole diameter tolerance (D)+ | 0,1 mm           |
| Outside diameter of solder pad               | 2.6 mm                    | Template aperture diameter                 | 2.4 mm           |
| L1 in mm                                     | 12.70 mm                  | L1 in inches                               | 0.500 "          |
| Number of rows                               | 1                         | Pin series quantity                        | 1                |
| Touch-safe protection acc. to DIN VDE 57 106 | Safe from finger touch    | Touch-safe protection acc. to DIN VDE 0470 | IP 20            |
| Protection degree                            | IP20                      | Volume resistance                          | ≤5 mΩ            |
| Plugging cycles                              | ≥ 25                      | Plugging force/pole, max.                  | 12 N             |
| Pulling force/pole, max.                     | 10 N                      |  |                  |

## Material data

|                             |          |                                  |          |
|-----------------------------|----------|----------------------------------|----------|
| Insulating material         | PA 9T    | Colour                           | black    |
| Colour chart (similar)      | RAL 9011 | Comparative Tracking Index (CTI) | ≤ 600    |
| Moisture Level (MSL)        | 1        | UL 94 flammability rating        | V-0      |
| Contact base material       | CuMg     | Contact material                 | Cu-alloy |
| Contact surface             | tinned   | Tinning type                     | matt     |
| Storage temperature, min.   | -40 °C   | Storage temperature, max.        | 70 °C    |
| Operating temperature, min. | -50 °C   | Operating temperature, max.      | 125 °C   |

## Rated data acc. to IEC

|   |                        |   |        |
|---|------------------------|---|--------|
| tested acc. to standard   | IEC 60664-1, IEC 61984 | Rated current, min. number of poles (Tu=20°C)                         | 32 A   |
| Rated current, max. number of poles (Tu=20°C)                             | 32 A                   | Rated current, min. number of poles (Tu=40°C)                         | 32 A   |
| Rated current, max. number of poles (Tu=40°C)                             | 32 A                   | Rated voltage for surge voltage class / pollution degree II/2         | 1000 V |
| Rated voltage for surge voltage class / pollution degree III/2            | 800 V                  | Rated voltage for surge voltage class / pollution degree III/3        | 630 V  |
| Rated impulse voltage for surge voltage class/ pollution degree II/2      | 6 kV                   | Rated impulse voltage for surge voltage class/ pollution degree III/2 | 6 kV   |
| Rated impulse voltage for surge voltage class/ contamination degree III/3 | 6 kV                   | Creepage distance, min.   | 4 mm   |

## MHS 6/03 V T3 B T

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

www.weidmueller.com

## Technical data

### Rated data acc. to UL 1059

|                                       |        |                                       |       |
|---------------------------------------|--------|---------------------------------------|-------|
| Rated voltage (Use group B / UL 1059) | 300 V  | Rated voltage (Use group D / UL 1059) | 600 V |
| Rated voltage (Use group F / UL 1059) | 1000 V | Rated current (Use group B / UL 1059) | 30 A  |
| Rated current (Use group D / UL 1059) | 5 A    | Creepage distance, min.               | 4 mm  |
| Clearance distance, min.              | 5.5 mm |                                       |       |

### Important note

- 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.
  - 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 |             |             |

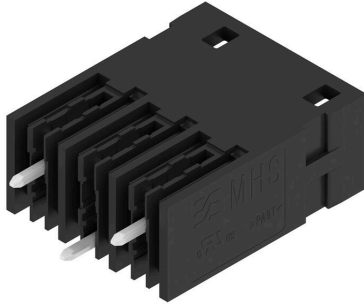
MHS 6/03 V T3 B T

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

www.weidmueller.com

Drawings

Product image



Dimensional drawing

