



To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

### General ordering data

|            |  |
|------------|--|
| Version    | Single- and multi-pole terminal strip, Flat-blade connection, medium yellow, 2.5 mm <sup>2</sup> , 8 A, 400 V, Number of connections: 8, Number of levels: 1 |
| Order No.  | <a href="#">0480120000</a>   |
| Type       | MF 1/8 4X6.3/2.8   |
| GTIN (EAN) | 4008190017170  |
| Qty.       | 50 items   |

## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (UR) E60693

## Dimensions and weights

|            |         |                 |             |
|------------|---------|-----------------|-------------|
| Depth      | 12.5 mm | Depth (inches)  | 0.4921 inch |
| Height     | 68 mm   | Height (inches) | 2.6772 inch |
| Width      | 68 mm   | Width (inches)  | 2.6772 inch |
| Net weight | 30.36 g |                 |             |

## Temperatures

|                                  |                |                                  |               |
|----------------------------------|----------------|----------------------------------|---------------|
| Storage temperature              | -25 °C...55 °C | Ambient temperature              | -5 °C...40 °C |
| Continuous operating temp., min. | -60 °C         | Continuous operating temp., max. | 130 °C        |

## Environmental Product Compliance

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

## Material data

|                           |          |        |               |
|---------------------------|----------|--------|---------------|
| Basic material            | KrG      | Colour | medium yellow |
| UL 94 flammability rating | 5VA, V-0 |        |               |

## System specifications

|                      |                        |                          |    |
|----------------------|------------------------|--------------------------|----|
| Version              | For the mounting rails | End cover plate required | No |
| Number of potentials | 1                      | Number of levels         | 1  |
| Mounting rail        | Mounting plate         |                          |    |

## Additional technical data

|                     |                 |                          |    |
|---------------------|-----------------|--------------------------|----|
| Installation advice | Direct mounting | Explosion-tested version | No |
| Type of mounting    | Direct mounting |                          |    |

## CSA rating data

|                       |           |                      |       |
|-----------------------|-----------|----------------------|-------|
| Certificate No. (CSA) | 12400-221 | Voltage size B (CSA) | 150 V |
| Current size B (CSA)  | 20 A      | Voltage size D (CSA) | 300 V |
| Current size D (CSA)  | 10 A      |                      |       |

## Conductors for clamping (additional connection)

|  |                       |
|--|-----------------------|
| Connection type, additional connection | Flat-blade connection |
|--|-----------------------|

## MF 1/8 4X6.3/2.8

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 D-32758 Detmold  
 Germany

www.weidmueller.com

## Technical data

### Conductors for clamping (rated connection)

|   |                     |   |                       |
|---|---------------------|---|-----------------------|
| Wire connection cross section AWG, max.   | AWG 14              | Connection direction  | on side               |
| Type of connection 2  | Solder connection   | Type of connection  | Flat-blade connection |
| Number of connections   | 8                   | Clamping range, max.  | 2.5 mm <sup>2</sup>   |
| Clamping range, min.  | 0.5 mm <sup>2</sup> | Wire connection cross section AWG, min.   | AWG 20                |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm <sup>2</sup>   |
| Wire connection cross section, finely stranded, max.                                    | 2.5 mm <sup>2</sup> | Wire connection cross section, finely stranded, min.                                    | 0.5 mm <sup>2</sup>   |
| Connection cross-section, stranded, max.  | 2.5 mm <sup>2</sup> | Connection cross-section, stranded, min.  | 0.5 mm <sup>2</sup>   |
| Wire connection cross-section, solid core, max.   | 2.5 mm <sup>2</sup> | Wire connection cross-section, solid core, min.   | 0.5 mm <sup>2</sup>   |

### Dimensions

|                  |       |
|------------------|-------|
| Fixing dimension | 50 mm |
|------------------|-------|

### General

|                     |                 |   |                |
|---------------------|-----------------|---|----------------|
| Number of poles     | 8               | Wire connection cross section AWG, max. | AWG 14         |
| Installation advice | Direct mounting | Wire connection cross section AWG, min. | AWG 20         |
| Standards           | IEC 60947-7-1   | Mounting rail                           | Mounting plate |

### Rating data

|                                 |                     |  |         |
|---------------------------------|---------------------|--|---------|
| Rated cross-section             | 2.5 mm <sup>2</sup> | Rated voltage                                | 400 V   |
| Rated DC voltage                | 400 V               | Nominal current                              | 8 A     |
| Standards                       | IEC 60947-7-1       | Volume resistance according to IEC 60947-7-x | 1.33 mΩ |
| Rated impulse withstand voltage | 6 kV                | Power loss in accordance with IEC 60947-7-x  | 0.77 W  |
| Pollution severity              | 3                   |  |         |

### UL rating data

|                     |       |                      |        |
|---------------------|-------|----------------------|--------|
| Voltage size B (UR) | 300 V | Current size B (UR)  | 10 A   |
| Current size D (UR) | 10 A  | Certificate No. (UR) | E60693 |
| Voltage size D (UR) | 300 V |                      |        |

### Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC001284    | ETIM 9.0    | EC001284    |
| ETIM 10.0   | EC001284    | ECLASS 14.0 | 27-14-11-06 |
| ECLASS 15.0 | 27-14-11-06 |             |             |