

**WMF 2.5 FU BLZ PE SW****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

Some applications demand for a pluggable, modular solution to be more flexible or to facilitate the installation. Where complete functional units have to be prefabricated or replaced, modular and flexible connection systems are required. Our pluggable terminal blocks can be quickly assembled and are completely factory tested.

**General ordering data**

|            |  |
|------------|--|
| Version    | Fuse terminal, Screw connection, black, 2.5 mm <sup>2</sup> , 6.3 A, 250 V, Number of connections: 4, Number of levels: 3, TS 35 |
| Order No.  | <a href="#">1162820000</a>   |
| Type       | WMF 2.5 FU BLZ PE SW   |
| GTIN (EAN) | 4032248992171  |
| Qty.       | 50 pc(s).  |

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**Technical data**

**Dimensions and weights**

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 74 mm      | Depth (inches) | 2.913 inch |
| Depth including DIN rail | 74.5 mm    | Height         | 90 mm      |
| Height (inches)          | 3.543 inch | Width          | 5.08 mm    |
| Width (inches)           | 0.2 inch   | Net weight     | 19.1 g     |

**Temperatures**

|                                  |                |                                  |               |
|----------------------------------|----------------|----------------------------------|---------------|
| Storage temperature              | -25 °C...55 °C | Ambient temperature              | -5 °C...40 °C |
| Continuous operating temp., min. | -50 °C         | Continuous operating temp., max. | 120 °C        |

**Material data**

|                           |       |        |       |
|---------------------------|-------|--------|-------|
| Material                  | Wemid | Colour | black |
| UL 94 flammability rating | V-0   |        |       |

**System specifications**

|                                   |   |                          |     |
|-----------------------------------|---|--------------------------|-----|
| Version                           | 2 screw connections - 1 plug-in connection, Fuse isolator, With PE connection, for plug-in cross-connector, One end without connector | End cover plate required | Yes |
| Number of potentials              | 2   | Number of levels         | 3   |
| Levels cross-connected internally | Yes   | PE connection            | Yes |
| Rail                              | TS 35   | PE function              | Yes |

**Additional technical data**

|            |       |                  |         |
|------------|-------|------------------|---------|
| Open sides | right | Type of mounting | Snap-on |
|------------|-------|------------------|---------|

**CSA rating data**

|                               |                |                               |        |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 200039-1057876 | Current size B (CSA)          | 17 A   |
| Current size D (CSA)          | 10 A           | Voltage size B (CSA)          | 300 V  |
| Voltage size D (CSA)          | 300 V          | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG         |                               |        |

**Conductors for clamping (additional connection)**

|  |                    |
|--|--------------------|
| Connection type, additional connection | Plug-in connection |
|--|--------------------|

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## Technical data

### Conductors for clamping (rated connection)

|   |                     |   |                     |
|---|---------------------|---|---------------------|
| Blade size  | 0.6 x 3.5 mm        | Clamping range, max.  | 4 mm <sup>2</sup>   |
| Clamping range, min.  | 0.5 mm <sup>2</sup> | Clamping screw  | M 3                 |
| Connection cross-section, stranded, max.  | 4 mm <sup>2</sup>   | Connection cross-section, stranded, min.  | 1.5 mm <sup>2</sup> |
| Connection direction  | on side             | Gauge to IEC 60947-1  | A3                  |
| Number of connections   | 4                   | Stripping length  | 10 mm               |
| Tightening torque, max.   | 0.6 Nm              | Tightening torque, min.   | 0.5 Nm              |
| Type of connection  | Screw connection    | Type of connection 2  | Plug-in connection  |
| Wire connection cross section AWG, max.   | AWG 12              | Wire connection cross section AWG, min.   | AWG 26              |
| Wire connection cross section, finely stranded, max.                                    | 4 mm <sup>2</sup>   | Wire connection cross section, finely stranded, min.                                    | 0.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 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 with wire-end ferrules DIN 46228/4, max. | 2.5 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm <sup>2</sup> |
| Wire connection cross-section, solid core, max.   | 4 mm <sup>2</sup>   | Wire connection cross-section, solid core, min.   | 0.5 mm <sup>2</sup> |

### Fuse terminals

|  |                       |  |                       |
|--|-----------------------|--|-----------------------|
| Cartridge fuse   | G-Si. 5 x 20          | Display  | Without LED           |
| Fuse holder (cartridge holder)   | Pivoting              | Power loss for overload and short-circuit protection for a composite arrangement | 1.6 W at 6.3 A @ 23°C |
| Power loss for overload and short-circuit protection for an individual arrangement | 1.6 W at 6.3 A @ 44°C | Power loss for short-circuit protection only for a composite arrangement         | 2.5 W at 6.3 A @ 48°C |
| Power loss for short-circuit protection only for an individual arrangement         | 4 W at 6.3 A @ 61°C   | Type of voltage for indicator  | AC/DC                 |

### General

|   |        |   |   |
|---|--------|---|---|
| Rail                                    | TS 35  | Standards                               | IEC 60947-7-2, IEC 61984, In accordance with IEC 60947-7-1, IEC 60947-7-3 |
| Wire connection cross section AWG, max. | AWG 12 | Wire connection cross section AWG, min. | AWG 26  |

### Rating data

|  |                     |                                 |   |
|--|---------------------|---------------------------------|---|
| Rated cross-section                          | 2.5 mm <sup>2</sup> | Rated voltage                   | 250 V   |
| Rated DC voltage                             | 250 V               | Rated current                   | 6.3 A   |
| Current at maximum wires                     | 6.3 A               | Standards                       | IEC 60947-7-2, IEC 61984, In accordance with IEC 60947-7-1, IEC 60947-7-3 |
| Volume resistance according to IEC 60947-7-x | 1.33 mΩ             | Rated impulse withstand voltage | 8 kV  |
| Power loss in accordance with IEC 60947-7-x  | 0.77 W              | Pollution severity              | 3   |
| Surge voltage category                       | III                 |                                 |   |

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## Technical data

## UL rating data

|  |        |  |        |
|--|--------|--|--------|
| Certificate No. (cURus)                    | E60693 | Conductor size Factory wiring max. (cURus) | 12 AWG |
| Conductor size Factory wiring min. (cURus) | 26 AWG | Conductor size Field wiring max. (cURus)   | 12 AWG |
| Conductor size Field wiring min. (cURus)   | 26 AWG | Current size B (cURus)                     | 17 A   |
| Current size D (cURus)                     | 10 A   | Voltage size B (cURus)                     | 300 V  |
| Voltage size D (cURus)                     | 300 V  | Wire cross section max. (cURus)            | 12 AWG |
| Wire cross section min. (cURus)            | 26 AWG |  |        |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000899    | ETIM 7.0    | EC000899    |
| ETIM 8.0    | EC000899    | ETIM 9.0    | EC000899    |
| ETIM 10.0   | EC000899    | ECLASS 9.0  | 27-14-11-16 |
| ECLASS 9.1  | 27-14-11-16 | ECLASS 10.0 | 27-14-11-16 |
| ECLASS 11.0 | 27-14-11-16 | ECLASS 12.0 | 27-14-11-16 |
| ECLASS 13.0 | 27-25-01-13 | ECLASS 14.0 | 27-25-01-13 |
| ECLASS 15.0 | 27-25-01-13 |             |             |

## Environmental Product Compliance

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

## Approvals

Approvals



|                         |   |
|-------------------------|---|
| Approvals MAMID         | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319226/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319226/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319230/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/</a> |
| ROHS                    | Conform   |
| UL File Number Search   | UL Website  |
| Certificate No. (cURus) | E60693  |

## Downloads

|   |  |
|---|--|
| Approval/Certificate/Document of Conformity | <a href="#">CE Declaration of Conformity</a><br><a href="#">UKCA declaration of conformity</a><br><a href="#">Confirmation of Standards EN 45545-2_2020-10</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>  |
| User Documentation                          | <a href="#">Beipackzettel_WMF.pdf</a><br><a href="#">StorageConditionsTerminalBlocks</a>   |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>   |
| Brochures                                   |  |

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**Data sheet**

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**Drawings**

