

**WMF 2.5 FU PE 30-70V SW****Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

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**Product image**

In some applications it is useful to protect the feed through connection with a separate fuse. Fuse terminal blocks are made up of one terminal block bottom section with a fuse insertion carrier. The fuses vary from pivoting fuse levers and pluggable fuse holders to screwable closures and flat plug-in fuses.

**General ordering data**

|            |   |
|------------|---|
| Version    | W-Series, Fuse terminal, PE terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Screw connection |
| Order No.  | <a href="#">1163060000</a>  |
| Type       | WMF 2.5 FU PE 30-70V SW   |
| GTIN (EAN) | 4032248991808   |
| 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         | 88 mm      |
| Height (inches)          | 3.465 inch | Width          | 5.08 mm    |
| Width (inches)           | 0.2 inch   | Net weight     | 21.62 g    |

### Temperatures

|                                  |                |                                  |        |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature              | -25 °C...55 °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   |        |       |

### Rating data IECEx/ATEX

|                        |                  |                                 |                   |
|------------------------|------------------|---------------------------------|-------------------|
| Certificate No. (ATEX) | DEMKO14ATEX1389U | Certificate No. (IECEX)         | IECEXUL14.0097U   |
| Current (ATEX)         | 6.3 A            | Wire cross section max. (ATEX)  | 4 mm <sup>2</sup> |
| Current (IECEX)        | 6.3 A            | Wire cross section max. (IECEX) | 4 mm <sup>2</sup> |
| Marking EN 60079-7     | Ex ec II C Gc    | Ex 2014/34/EU label             | II 3 G D          |

### System specifications

|                  |   |                          |       |
|------------------|---|--------------------------|-------|
| Version          | Screw connection,<br>Fuse isolator, With PE<br>connection, for plug-in<br>cross-connector, One end<br>without connector | End cover plate required | Yes   |
| Number of levels | 2   | Rail                     | TS 35 |

### 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 C (CSA)          | 17 A           | Current size D (CSA)          | 5 A    |
| Voltage size B (CSA)          | 600 V          | Voltage size C (CSA)          | 600 V  |
| Voltage size D (CSA)          | 600 V          | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG         |                               |        |

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M 3

1.5 mm<sup>2</sup>

A3

10 mm

0.5 Nm

AWG 12

4 mm<sup>2</sup>2.5 mm<sup>2</sup>2.5 mm<sup>2</sup>4 mm<sup>2</sup>0.5 mm<sup>2</sup>

## Conductors for clamping (rated connection)

|   |                     |   |                     |
|---|---------------------|---|---------------------|
| Blade size  | 0.6 x 3.5 mm        | Clamping range, max.  | 1.5 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   | 3                   | Stripping length  | 10 mm               |
| Tightening torque, max.   | 0.6 Nm              | Tightening torque, min.   | 0.5 Nm              |
| Type of connection  | Screw 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  | Red 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   |  |                       |

## General

|   |        |   |        |
|---|--------|---|--------|
| Rail                                    | TS 35  | 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                   | 70 V  |
| Rated current                                | 6.3 A               | Current at maximum wires        | 6.3 A |
| 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 C (cURus)                     | 17 A   | Current size D (cURus)                     | 5 A    |
| Voltage size B (cURus)                     | 600 V  | Voltage size C (cURus)                     | 600 V  |
| Voltage size D (cURus)                     | 600 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    | 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 |

## Important note

Product information The voltage depends on the selected fuse element or the selected indicator light

## Approvals

Approvals



|                           |            |
|---------------------------|------------|
| ROHS                      | Conform    |
| UL File Number Search     | UL Website |
| Certificate No. (cURus)   | E60693     |
| Certificate No. (cURusEX) | E184763    |

## Downloads

|   |   |
|---|---|
| Approval/Certificate/Document of Conformity | <a href="#">Attestation of Conformity</a><br><a href="#">ATEX Certificate</a><br><a href="#">IECEX Certificate</a><br><a href="#">AEx ec Certificate</a><br><a href="#">EAC certificate</a><br><a href="#">EAC EX Certificate</a><br><a href="#">CCC Ex Certificate</a><br><a href="#">CE Declaration of Conformity</a><br><a href="#">CE Declaration of Conformity all terminals</a><br><a href="#">UKCA declaration of conformity</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>   |
| Engineering Data                            | <a href="#">WSCAD, Zuken E3.S</a>   |
| User Documentation                          | <a href="#">Beipackzettel_WMf.pdf</a><br><a href="#">NTI WMF FU.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**

