

**W-Series**  
**WMF 2.5 FU 10-36V SW****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 1429-0

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www.weidmueller.com



Weidmüller's new WMF (Weidmüller Multi-Functional) line of terminal blocks provide a multi-functional solution for routing and distributing signals. This space-saving terminal combines all the necessary functionality into a single solution. It features an integrated shield connection and can be used with feed-through, fuse and disconnect functionality. The three cross-connection channels and wide variety of labelling options offer additional flexibility.

**General ordering data**

|            |                                                                                      |
|------------|--------------------------------------------------------------------------------------|
| Type       | WMF 2.5 FU 10-36V SW                                                                 |
| Order No.  | <a href="#">1162930000</a>                                                           |
| Version    | W-Series, Fuse terminal, Rated cross-section: 2.5 mm <sup>2</sup> , Screw connection |
| GTIN (EAN) | 4032248992119                                                                        |
| Qty.       | 50 pc(s).                                                                            |

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**Technical data**
**Dimensions and weights**

|                          |         |                 |            |
|--------------------------|---------|-----------------|------------|
| Width                    | 5.08 mm | Width (inches)  | 0.2 inch   |
| Height                   | 88 mm   | Height (inches) | 3.465 inch |
| Depth                    | 74 mm   | Depth (inches)  | 2.913 inch |
| Depth including DIN rail | 74.5 mm | Net weight      | 19.7 g     |

**Temperatures**

|                                  |        |                                  |        |
|----------------------------------|--------|----------------------------------|--------|
| 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          | Screw connection, Fuse isolator, for plug-in cross-connector, One end without connector | End cover plate required         | Yes |
| Number of levels | 1                                                                                       | No. of clamping points per level | 2   |
| Mounting 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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## Technical data

### Conductors for clamping (rated connection)

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

### Rating data

|                                              |                     |                                 |       |
|----------------------------------------------|---------------------|---------------------------------|-------|
| Rated cross-section                          | 2.5 mm <sup>2</sup> | Rated voltage                   | 36 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  |
| Pollution severity                           | 3                   | Surge voltage category          | III   |

### 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 |                                            |        |

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## Technical data

### Classifications

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | EC000902    | ETIM 4.0   | EC000902    |
| ETIM 5.0   | EC000902    | ETIM 6.0   | EC000899    |
| eClass 6.2 | 27-14-11-16 | eClass 7.1 | 27-14-11-16 |
| eClass 8.1 | 27-14-11-16 | eClass 9.0 | 27-14-11-16 |
| eClass 9.1 | 27-14-11-16 |            |             |

### Product information

Descriptive text ordering data      The WMF FU terminals may not be aligned directly under one another.

### Approvals

Approvals



ROHS      Conform

### Downloads

|                                             |                                                    |
|---------------------------------------------|----------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">DE_PT1003_20160418_908_ISSUE01.pdf</a> |
| Brochure/Catalogue                          | <a href="#">CAT 1 TERM 16/17 EN</a>                |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>           |
| User Documentation                          | <a href="#">Beipackzettel_WMf.pdf</a>              |

### Safety note

Safety notice      [Safety Information](#)

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## Drawings

