

**W-Series**  
**WMF 2.5 FU BLZ 30-70V SW****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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**Product image**

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 BLZ 30-70V SW                                                |
| Order No.  | <a href="#">1163000000</a>                                              |
| Version    | W-Series, Fuse terminal, Rated cross-section: 2.5 mm², Screw connection |
| GTIN (EAN) | 4032248992058                                                           |
| Qty.       | 50 pc(s).                                                               |

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## Technical data

### Dimensions and weights

|                          |         |                 |            |
|--------------------------|---------|-----------------|------------|
| Width                    | 5.08 mm | Width (inches)  | 0.2 inch   |
| Height                   | 90 mm   | Height (inches) | 3.543 inch |
| Depth                    | 74 mm   | Depth (inches)  | 2.913 inch |
| Depth including DIN rail | 74.5 mm | Net weight      | 17.83 g    |

### Temperatures

|                                  |                |                                  |        |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature, max.        | 55 °C          | Storage temperature, min.        | -25 °C |
| 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   |        |       |

### System specifications

|                  |                                                                                                                               |                                     |     |
|------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----|
| Version          | 2 screw connections -<br>1 plug-in connection,<br>Fuse isolator, for plug-in<br>cross-connector, One end<br>without connector | End cover plate required            | Yes |
| Number of levels | 1                                                                                                                             | Number of clamping points per level | 3   |
| 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 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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### 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                                                                   | 3                   | 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 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, finely stranded, 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   |                                                                                  |                       |

### 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   |
| Standards                                   | IEC 61984, In accordance with IEC 60947-7-1, IEC 60947-3 | Volume resistance according to IEC 60947-7-x | 1.33 mΩ |
| Power loss in accordance with IEC 60947-7-x | 0.77 W                                                   | 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 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 |                                            |        |

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### Classifications

|             |             |            |             |
|-------------|-------------|------------|-------------|
| ETIM 6.0    | EC000899    | ETIM 7.0   | EC000899    |
| eClass 9.0  | 27-14-11-16 | eClass 9.1 | 27-14-11-16 |
| eClass 10.0 | 27-14-11-16 |            |             |

### Approvals

Approvals



ROHS Conform

### Downloads

|                                             |                                                                                                                                              |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">EAC certificate</a><br><a href="#">DE_PT1033_20160418_913_ISSUE01.pdf</a><br><a href="#">Declaration of Conformity Terminals</a> |
| Brochure/Catalogue                          | <a href="#">CAT 1 TERM 16/17 EN</a>                                                                                                          |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                                                                                     |
| Engineering Data                            | <a href="#">STEP</a>                                                                                                                         |
| User Documentation                          | <a href="#">Beipackzettel_WMf.pdf</a><br><a href="#">StorageConditionsTerminalBlocks</a>                                                     |

### Safety note

|               |                                    |
|---------------|------------------------------------|
| Safety notice | <a href="#">Safety Information</a> |
|---------------|------------------------------------|

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## Drawings

