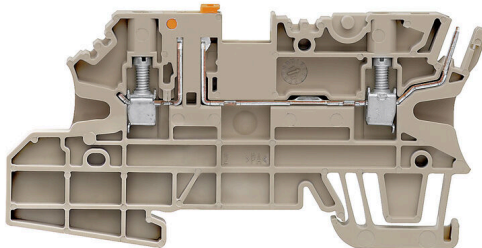


WMF 2.5 DI BLZ**Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image

In process control systems for facilities in the process and power generation sectors, incoming signals from field devices are often connected with terminal blocks in marshalling cabinets. Terminal blocks are used despite the existence of alternative technologies such as Remote I/O and Fieldbus. This is mainly because they offer a sturdy and simple connection system, and because they are clearly arranged. Our WMF (Weidmüller Multi Funktional) line of terminal blocks provide a multi-functional solution for marshalling signals.

General ordering data

| | |
|------------|--|
| Version | Test-disconnect terminal, Screw connection, dark beige, 2.5 mm ² , 20 A, 250 V, Number of connections: 3, Number of levels: 1 |
| Order No. | 1143000000 |
| Type | WMF 2.5 DI BLZ |
| GTIN (EAN) | 4032248926213 |
| Qty. | 50 items |

WMF 2.5 DI BLZ

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E60693

Dimensions and weights

| | | | |
|--------------------------|-------------|----------------|------------|
| Depth | 44.5 mm | Depth (inches) | 1.752 inch |
| Depth including DIN rail | 45 mm | Height | 90 mm |
| Height (inches) | 3.5433 inch | Width | 5.08 mm |
| Width (inches) | 0.2 inch | Net weight | 11.63 g |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|----------------|
| Storage temperature | -25 °C...55 °C | Ambient temperature | -50 °C...75 °C |
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 120 °C |

Environmental Product Compliance

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

Material data

| | | | |
|---------------------------|-------|--------|------------|
| Basic material | Wemid | Colour | dark beige |
| UL 94 flammability rating | V-0 | | |

System specifications

| | | | |
|-------------------------------------|---|-----------------------------------|-------|
| Version | 2 screw connections - 1 plug-in connection, Spacer, for plug-in cross- connector, One end without connector | End cover plate required | Yes |
| Number of potentials | 1 | Number of levels | 1 |
| Number of clamping points per level | 3 | Levels cross-connected internally | No |
| PE connection | No | Mounting rail | TS 35 |
| PE function | No | | |

Additional technical data

| | | | |
|-------------------|---------|----------------|---------|
| With snap-in pegs | No | Open sides | right |
| Snap-on | No | Type of fixing | Snap-on |
| Type of mounting | Snap-on | | |

CSA rating data

| | | | |
|-------------------------------|--------|-----------------------|----------------|
| Wire cross section max. (CSA) | 12 AWG | Certificate No. (CSA) | 200039-1057876 |
| Voltage size B (CSA) | 300 V | Current size B (CSA) | 19 A |
| Voltage size D (CSA) | 300 V | Current size D (CSA) | 10 A |
| Wire cross section min. (CSA) | 26 AWG | | |

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Technical data

Conductors for clamping (additional connection)

Connection type, additional connection Plug-in connection

Conductors for clamping (rated connection)

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

General

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

Rating data

| | | | |
|--|---------------------|---------------------------------|---|
| Rated cross-section | 2.5 mm ² | Rated voltage | 250 V |
| Rated DC voltage | 250 V | Nominal current | 20 A |
| Current at maximum wires | 20 A | Standards | IEC 61984, In accordance with IEC 60947-7-1 |
| 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 | Surge voltage category | III |
| Pollution severity | 3 | | |

UL rating data

| | | | |
|--|--------|--|--------|
| Conductor size Factory wiring max. (cURus) | 12 AWG | Voltage size B (cURus) | 300 V |
| Voltage size D (cURus) | 300 V | Wire cross section max. (cURus) | 12 AWG |
| Certificate No. (cURus) | E60693 | Wire cross section min. (cURus) | 26 AWG |
| Conductor size Field wiring min. (cURus) | 26 AWG | Conductor size Factory wiring min. (cURus) | 26 AWG |
| Current size B (cURus) | 19 A | Current size D (cURus) | 10 A |
| Conductor size Field wiring max. (cURus) | 12 AWG | | |

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Technical data

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC000902 | ETIM 9.0 | EC000902 |
| ETIM 10.0 | EC000902 | ECLASS 14.0 | 27-25-01-09 |
| ECLASS 15.0 | 27-25-01-09 | | |

Drawings

