

MK 3/6/E

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image



To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

General ordering data

| | |
|------------|---|
| Version | Single- and multi-pole terminal strip, Screw connection, medium yellow, 2.5 mm ² , 24 A, 400 V, Number of connections: 12, Number of levels: 1 |
| Order No. | 7906150000 |
| Type | MK 3/6/E |
| GTIN (EAN) | 4008190576356 |
| Qty. | 50 items |

Technical data

Approvals

Approvals



| | |
|-----------------------|----------------------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (UR) | E60693 |

Dimensions and weights

| | | | |
|------------|----------|-----------------|-------------|
| Depth | 16.1 mm | Depth (inches) | 0.6339 inch |
| Height | 15 mm | Height (inches) | 0.5906 inch |
| Width | 54.25 mm | Width (inches) | 2.1358 inch |
| Net weight | 21 g | | |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|---------------|
| Storage temperature | -25 °C...55 °C | Ambient temperature | -5 °C...40 °C |
| Continuous operating temp., min. | -60 °C | Continuous operating temp., max. | 130 °C |

Environmental Product Compliance

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

Material data

| | | | |
|---------------------------|-----|--------|---------------|
| Basic material | KrG | Colour | medium yellow |
| UL 94 flammability rating | 5VA | | |

Rating data IECEx/ATEX

| | | | |
|--------------------------------|-------------------|---------------------------------|-------------------|
| Certificate No. (ATEX) | TUEV18ATEX8209U | Certificate No. (IECEX) | IECEXTUR18.0019U |
| Max. voltage (ATEX) | 275 V | Current (ATEX) | 24 A |
| Wire cross section max. (ATEX) | 4 mm ² | Max. voltage (IECEX) | 275 V |
| Current (IECEX) | 24 A | Wire cross section max. (IECEX) | 4 mm ² |
| Marking EN 60079-7 | Ex eb II C Gb | Ex 2014/34/EU label | II 2 G D |

System specifications

| | | | |
|----------------------|------------------------|--------------------------|----|
| Version | For the mounting rails | End cover plate required | No |
| Number of potentials | 1 | Number of levels | 1 |
| Mounting rail | Mounting plate | | |

Additional technical data

| | | | |
|---------------------|-----------------|--------------------------|----|
| Installation advice | Direct mounting | Explosion-tested version | No |
| Type of mounting | Direct mounting | | |

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Technical data

CSA rating data

| | | | |
|-------------------------------|--------|-----------------------|-----------|
| Wire cross section max. (CSA) | 12 AWG | Voltage size C (CSA) | 300 V |
| Current size C (CSA) | 25 A | Certificate No. (CSA) | 12400-149 |
| Wire cross section min. (CSA) | 22 AWG | | |

Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

Conductors for clamping (rated connection)

| | | | |
|---|----------------------|---|----------------------|
| Gauge to IEC 60947-1 | A2 | Wire connection cross section AWG, max. | AWG 12 |
| Connection direction | on side | Tightening torque, max. | 0.45 Nm |
| Tightening torque, min. | 0.4 Nm | Stripping length | 5 mm |
| Type of connection 2 | Screw connection | Type of connection | Screw connection |
| Number of connections | 12 | Clamping range, max. | 4 mm ² |
| Clamping range, min. | 0.33 mm ² | Clamping screw | M 2.5 |
| Blade size | 0.6 x 3.5 mm | Wire connection cross section AWG, min. | AWG 22 |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 1.5 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.33 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 1.5 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.33 mm ² |
| Wire connection cross section, finely stranded, max. | 2.5 mm ² | Wire connection cross section, finely stranded, min. | 0.33 mm ² |
| Connection cross-section, stranded, max. | 2.5 mm ² | Connection cross-section, stranded, min. | 0.33 mm ² |
| Torque level with DMS electric screwdriver | 1 | Wire connection cross-section, solid core, max. | 4 mm ² |
| Wire connection cross-section, solid core, min. | 0.33 mm ² | | |

Dimensions

| | |
|------------------|-------|
| Fixing dimension | 11 mm |
|------------------|-------|

General

| | | | |
|---------------------|-----------------|---|----------------|
| Number of poles | 6 | Wire connection cross section AWG, max. | AWG 12 |
| Installation advice | Direct mounting | Wire connection cross section AWG, min. | AWG 22 |
| Standards | IEC 60947-7-1 | Mounting rail | Mounting plate |

Rating data

| | | | |
|--|---------------------|---------------------------------|---------------|
| Rated cross-section | 2.5 mm ² | Rated voltage | 400 V |
| Rated DC voltage | 400 V | Nominal current | 24 A |
| Current at maximum wires | 24 A | Standards | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 1.33 mΩ | Rated impulse withstand voltage | 6 kV |
| Power loss in accordance with IEC 60947-7-x | 0.77 W | Pollution severity | 3 |

Technical data**UL rating data**

| | | | |
|---|--------|----------------------|--------|
| Voltage size B (UR) | 300 V | Current size B (UR) | 20 A |
| Conductor size Factory wiring max. (UR) | 12 AWG | Current size D (UR) | 5 A |
| Conductor size Factory wiring min. (UR) | 22 AWG | Certificate No. (UR) | E60693 |
| Conductor size Field wiring min. (UR) | 22 AWG | Voltage size D (UR) | 600 V |
| Conductor size Field wiring max. (UR) | 12 AWG | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC001284 | ETIM 9.0 | EC001284 |
| ETIM 10.0 | EC001284 | ECLASS 14.0 | 27-14-11-06 |
| ECLASS 15.0 | 27-14-11-06 | | |

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Accessories

Cross-connections



The distribution or multiplication of a potential to adjoining terminal blocks is realized via a cross-connection. Additional wiring effort can be easily avoided. Even if the poles are broken out, contact reliability in the terminal blocks is still ensured. Our portfolio offers pluggable and screwable cross-connection systems for modular terminal blocks.

General ordering data

| | | | |
|------------|----------------------------|---|--|
| Type | QB 2 MK3 | Version | |
| Order No. | 3833700000 | Cross-connector (terminal), Plugged, black, 24 A, Number of poles: 2, | |
| GTIN (EAN) | 4008190542535 | Pitch in mm (P): 10.00, Insulated: Yes, Width: 14.5 mm | |
| Qty. | 20 ST | | |

Disconnect plugs



In contrast to the terminal blocks with integrated disconnect lever, our disconnect plugs can be completely detached or removed from the terminal block and the respective application and offer a flexible alternative solution to our standard disconnectors.

General ordering data

| | | | |
|------------|----------------------------|---|--|
| Type | QB 4 MK3 | Version | |
| Order No. | 3833800000 | Cross-connector (terminal), Plugged, black, 24 A, Number of poles: 4, | |
| GTIN (EAN) | 4008190542542 | Pitch in mm (P): 10.00, Insulated: Yes, Width: 33.5 mm | |
| Qty. | 20 ST | | |