

EK 2

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image



A protective feed through terminal block is an electrical conductor for the purpose of safety and is used in many applications. To establish the electrical and mechanical connection between copper conductors and the mounting support plate, PE terminal blocks are used. They have one or more contact points for connection with and/or bifurcation of protective earth conductors.

General ordering data

| | |
|------------|---|
| Version | PE terminal, Screw connection, silver, 10 mm ² , Number of connections: 2, Number of levels: 1, TS 32, None, PA 66 |
| Order No. | 0323100000 |
| Type | EK 2 |
| GTIN (EAN) | 4008190013585 |
| Qty. | 20 pièce(s) |

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Caractéristiques techniques

Dimensions and weights

| | | | |
|------------|---------|-----------------|------------|
| Depth | 38 mm | Depth (inches) | 1,496 inch |
| Height | 52 mm | Height (inches) | 2,047 inch |
| Width | 10,2 mm | Width (inches) | 0,402 inch |
| Net weight | 32,9 g | | |

Temperatures

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

Material data

| | | | |
|---------------------------|-------|--------|--------|
| Material | PA 66 | Colour | silver |
| UL 94 flammability rating | None | | |

System specifications

| | | | |
|-------------------------------------|--------------------------------------|-------------------------------|-----|
| Version | Screw connection, With PE connection | End cover plate required | No |
| Number of potentials | 1 | Number of levels | 1 |
| Number of clamping points per level | 2 | Number of potentials per tier | 1 |
| Levels cross-connected internally | No | PE connection | Yes |
| Rail | TS 32 | N-function | No |
| PE function | Yes | PEN function | No |

Additional technical data

| | | | |
|--------------------------|--------|-----------------------------|-----------------|
| Explosion-tested version | No | Number of similar terminals | 1 |
| Open sides | closed | Type of mounting | when screwed in |

CSA rating data

| | | | |
|-------------------------------|-----------|-------------------------------|-------|
| Certificate No. (CSA) | 12400-236 | Wire cross section max. (CSA) | 8 AWG |
| Wire cross section min. (CSA) | 26 AWG | | |

Conductors for clamping (additional connection)

| | | | |
|---|--------------------|--|------------------|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 10 mm ² | Connection type, additional connection | Screw connection |
|---|--------------------|--|------------------|

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Conductors for clamping (rated connection)

| | | | |
|---|---------------------|---|---------------------|
| Blade size | 1.0 x 5.5 mm | Clamping range, max. | 10 mm ² |
| Clamping range, min. | 1,5 mm ² | Clamping screw | M 4 |
| Connection cross-section, stranded, max. | 10 mm ² | Connection cross-section, stranded, min. | 1,5 mm ² |
| Connection direction | on side | Gauge to IEC 60947-1 | B6 |
| Number of connections | 2 | Stripping length | 14 mm |
| Tightening torque, max. | 1,6 Nm | Tightening torque, min. | 1,2 Nm |
| Torque level with DMS electric screwdriver | 4 | Type of connection | Screw connection |
| Wire connection cross section AWG, max. | AWG 8 | Wire connection cross section AWG, min. | AWG 16 |
| Wire connection cross section, finely stranded, max. | 10 mm ² | Wire connection cross section, finely stranded, min. | 1,5 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 10 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 1,5 mm ² |
| Wire connection cross-section, solid core, max. | 10 mm ² | Wire connection cross-section, solid core, min. | 1,5 mm ² |

General

| | | | |
|---|-------|---|---------------|
| Rail | TS 32 | Standards | IEC 60947-7-2 |
| Wire connection cross section AWG, max. | AWG 8 | Wire connection cross section AWG, min. | AWG 16 |

PE rating data

| | | | |
|--|------------------------------|------------------------------|-----|
| Rated short-time current | 1200 A (10 mm ²) | Centre screw on PE terminals | M 5 |
| Tightening torque range for fixing screw | 2.0...4.0 Nm | PEN function | No |

Rating data

| | | | |
|--|--------------------|---|---------------|
| Rated cross-section | 10 mm ² | Standards | IEC 60947-7-2 |
| Volume resistance according to IEC 60947-7-x | 0,56 mΩ | Power loss in accordance with IEC 60947-7-x | 1,82 W |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000901 | ETIM 7.0 | EC000901 |
| ETIM 8.0 | EC000901 | ETIM 9.0 | EC000901 |
| ECLASS 9.0 | 27-14-11-41 | ECLASS 9.1 | 27-14-11-41 |
| ECLASS 10.0 | 27-14-11-41 | ECLASS 11.0 | 27-14-11-41 |
| ECLASS 12.0 | 27-14-11-41 | ECLASS 13.0 | 27-25-01-03 |
| ECLASS 14.0 | 27-25-01-03 | | |

Environmental Product Compliance

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

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Caractéristiques techniques**Approvals**

Approvals



ROHS

Conform

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