

WPE 6**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, Green/yellow, 6 mm ² , 800 V, Number of connections: 2, Number of levels: 1, TS 35, V-0, Wemid |
| Order No. | 1010200000 |
| Type | WPE 6 |
| GTIN (EAN) | 4008190090098 |
| Qty. | 50 items |

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Technical data

Approvals

Approvals



| | |
|---------------------------|----------------------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (UR) | E60693 |
| Certificate No. (cURusEX) | E184763 |

Dimensions and weights

| | | | |
|--------------------------|-------------|----------------|-------------|
| Depth | 46.5 mm | Depth (inches) | 1.8307 inch |
| Depth including DIN rail | 47 mm | Height | 56 mm |
| Height (inches) | 2.2047 inch | Width | 7.9 mm |
| Width (inches) | 0.311 inch | Net weight | 25.98 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% | | |
| Product Carbon Footprint | Cradle to gate | 0.562 kg CO2 eq. | |

Material data

| | | | |
|---------------------------|-------|--------|--------------|
| Basic material | Wemid | Colour | Green/yellow |
| UL 94 flammability rating | V-0 | | |

Rating data IECEX/ATEX

| | | | |
|--------------------------------|-------------------|---------------------------------|-------------------|
| Certificate No. (ATEX) | DEMKO14ATEX1338U | Certificate No. (IECEX) | IECEXULD14.0005U |
| Wire cross section max. (ATEX) | 6 mm ² | Wire cross section max. (IECEX) | 6 mm ² |
| Marking EN 60079-7 | Ex eb II C Gb | Ex 2014/34/EU label | II 2 G D |

System specifications

| | | | |
|-------------------------------------|---|-------------------------------|-----|
| Version | Screw connection, With PE connection, in closed state | 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 |
| Mounting rail | TS 35 | N-function | No |
| PE function | Yes | PEN function | No |

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Additional technical data

| | | | |
|---------------------|-----------------|-----------------------------|------------------|
| Open sides | closed | Number of similar terminals | 1 |
| Installation advice | when screwed in | Explosion-tested version | Yes |
| Type of mounting | when screwed in | Locking | for screw fixing |

CSA rating data

| | | | |
|-------------------------------|--------|-----------------------|----------------|
| Wire cross section max. (CSA) | 8 AWG | Certificate No. (CSA) | 200039-1888378 |
| Wire cross section min. (CSA) | 20 AWG | | |

Conductors for clamping (additional connection)

Connection type, additional connection Screw connection

Conductors for clamping (rated connection)

| | | | |
|---|---------------------|---|----------------------|
| Gauge to IEC 60947-1 | A5 | Wire connection cross section AWG, max. | AWG 8 |
| Connection direction | on side | Tightening torque, max. | 1.3 Nm |
| Tightening torque, min. | 0.8 Nm | Stripping length | 12 mm |
| Type of connection | Screw connection | Number of connections | 2 |
| Clamping range, max. | 10 mm ² | Clamping range, min. | 0.08 mm ² |
| Clamping screw | M 3 | Blade size | 4.0 x 0.8 mm |
| Wire connection cross section AWG, min. | AWG 26 | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 6 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. | 6 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. | 10 mm ² |
| Wire connection cross section, finely stranded, min. | 0.5 mm ² | Connection cross-section, stranded, max. | 10 mm ² |
| Connection cross-section, stranded, min. | 1.5 mm ² | Wire connection cross-section, solid core, max. | 10 mm ² |
| Wire connection cross-section, solid core, min. | 0.5 mm ² | | |

Dimensions

| | |
|--------------|-------|
| TS 35 offset | 50 mm |
|--------------|-------|

General

| | | | |
|---|--------|---------------------|-----------------|
| Wire connection cross section AWG, max. | AWG 8 | Installation advice | when screwed in |
| Wire connection cross section AWG, min. | AWG 26 | Standards | IEC 60947-7-2 |
| Mounting rail | TS 35 | | |

PE rating data

| | | | |
|--|----------------------------|------------------------------|-----|
| Rated short-time current | 720 A (6 mm ²) | Centre screw on PE terminals | M 3 |
| Tightening torque range for fixing screw | 0.5...1.0 Nm | PEN function | No |

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Rating data

| | | | |
|--|-------------------|--|---------------|
| Rated cross-section | 6 mm ² | Rated voltage to adjoining terminal | 800 V |
| Rated DC voltage | 800 V | Standards | IEC 60947-7-2 |
| Volume resistance according to IEC 60947-7-x | 0.78 mΩ | Rated impulse withstand voltage to adjacent terminal | 8 kV |
| Power loss in accordance with IEC 60947-7-x | 0.00 W | Pollution severity | 3 |

UL rating data

| | | | |
|---|--------|---|--------|
| Conductor size Factory wiring max. (UR) | 8 AWG | Conductor size Factory wiring min. (UR) | 20 AWG |
| Certificate No. (UR) | E60693 | Conductor size Field wiring min. (UR) | 20 AWG |
| Conductor size Field wiring max. (UR) | 8 AWG | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000901 | ETIM 7.0 | EC000901 |
| ETIM 8.0 | EC000901 | ETIM 9.0 | EC000901 |
| ETIM 10.0 | 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 |
| ECLASS 15.0 | 27-25-01-03 | | |

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Drawings

