

WPE 1.5/R3.5**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, 1.5 mm ² , 180 A (1.5 mm ²), Green/yellow |
| Order No. | 1798460000 |
| Type | WPE 1.5/R3.5 |
| GTIN (EAN) | 4032248330003 |
| Qty. | 50 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|--------------------------|------------|----------------|------------|
| Depth | 24 mm | Depth (inches) | 0.945 inch |
| Depth including DIN rail | 25 mm | Height | 24.5 mm |
| Height (inches) | 0.965 inch | Width | 3.5 mm |
| Width (inches) | 0.138 inch | Net weight | 2.14 g |

Temperatures

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

Material data

| | | | |
|---------------------------|-------|--------|--------------|
| 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) | 2.5 mm ² | Wire cross section max. (IECEX) | 2.5 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, One end without connector | End cover plate required | Yes |
| 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 15 | N-function | No |
| PE function | Yes | PEN function | No |

Additional technical data

| | | | |
|-----------------------------|---------|---------------------|-----------------|
| Explosion-tested version | No | Installation advice | when screwed in |
| Number of similar terminals | 1 | Open sides | right |
| Type of mounting | Snap-on | | |

CSA rating data

| | | | |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA) | 200039-1057876 | Wire cross section max. (CSA) | 18 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. | 1.5 mm ² |
|---|---------------------|

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Conductors for clamping (rated connection)

| | | | |
|---|----------------------|---|---------------------|
| Blade size | 0.4 x 2.5 mm | Clamping range, max. | 1.5 mm ² |
| Clamping range, min. | 0.13 mm ² | Clamping screw | M 2 |
| Connection cross-section, stranded, max. | 1.5 mm ² | Connection cross-section, stranded, min. | 1.5 mm ² |
| Connection direction | on side | Gauge to IEC 60947-1 | A1 |
| Number of connections | 2 | Stripping length | 7 mm |
| Tightening torque, max. | 0.3 Nm | Tightening torque, min. | 0.3 Nm |
| Type of connection | Screw connection | Wire connection cross section AWG, max. | AWG 16 |
| Wire connection cross section AWG, min. | AWG 26 | Wire connection cross section, finely stranded, max. | 1.5 mm ² |
| Wire connection cross section, finely stranded, min. | 0.5 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. | 0.5 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 0.5 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm ² | Wire connection cross-section, solid core, max. | 1.5 mm ² |
| Wire connection cross-section, solid core, min. | 0.5 mm ² | | |

Dimensions

| | |
|--------------|---------|
| TS 15 offset | 13.5 mm |
|--------------|---------|

General

| | | | |
|---|-----------------|---|--------|
| Installation advice | when screwed in | Rail | TS 15 |
| Standards | IEC 60947-7-2 | Wire connection cross section AWG, max. | AWG 16 |
| Wire connection cross section AWG, min. | AWG 26 | | |

PE rating data

| | | | |
|--------------------------|------------------------------|--------------|----|
| Rated short-time current | 180 A (1.5 mm ²) | PEN function | No |
|--------------------------|------------------------------|--------------|----|

Rating data

| | | | |
|---|---------------------|--|---------|
| Rated cross-section | 1.5 mm ² | Rated voltage to adjoining terminal | 400 V |
| Standards | IEC 60947-7-2 | Volume resistance according to IEC 60947-7-x | 1.83 mΩ |
| Rated impulse withstand voltage | 4 kV | Rated impulse withstand voltage to adjacent terminal | 6 kV |
| Power loss in accordance with IEC 60947-7-x | 0.56 W | Pollution severity | 3 |

UL rating data

| | | | |
|---|--------|---|--------|
| Certificate No. (UR) | E60693 | Conductor size Factory wiring max. (UR) | 18 AWG |
| Conductor size Factory wiring min. (UR) | 26 AWG | Conductor size Field wiring max. (UR) | 18 AWG |
| Conductor size Field wiring min. (UR) | 26 AWG | | |

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Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000901 | ETIM 7.0 | EC000901 |
| ETIM 8.0 | 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 |

Approvals

Approvals



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

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | Attestation of Conformity IECEx Certificate CB Test Certificate CB Certificate EAC certificate EAC EX Certificate CCC Ex Certificate UKCA Ex Certificate CE Declaration of Conformity ATEX Certificate CE Declaration of Conformity all terminals UKCA declaration of conformity |
| Engineering Data | CAD data – STEP |
| Engineering Data | WSCAD, Zuken E3.S |
| User Documentation | NTI WDU/WPE 1.5/R3.5 StorageConditionsTerminalBlocks NTI WDK-WPE 1.5 R3.5 |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

Data sheet

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Drawings

