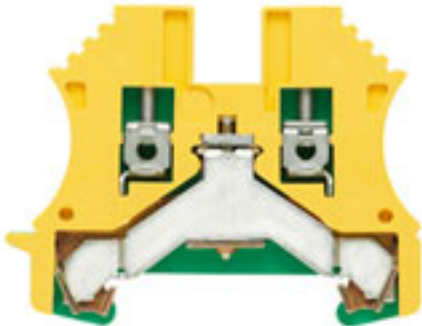


W-Series
WPE 2.5

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com



The PE terminals are available in two designs: standard and compact (N), with rated cross-section from 1.5 mm² to 150 mm² (e.g. 2.5 mm² – WPE 2.5 or 4 mm² – WPE 4N).

General ordering data

| | |
|------------|---|
| Order No. | 1010000000 |
| Type | WPE 2.5 |
| Version | W-Series, PE terminal, Rated cross-section: 2.5 mm ² , Screw connection, Direct mounting |
| GTIN (EAN) | 4008190143640 |
| Qty. | 100 pc(s). |

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Technical data
Dimensions and weights

| | | | |
|--------|---------|--------------------------|---------|
| Length | 60 mm | Width | 5.1 mm |
| Height | 46.5 mm | Height of lowest version | 47 mm |
| Weight | 18.86 g | Net weight | 16.22 g |

Temperatures

| | | | |
|----------------------------------|--------|----------------------------------|--------|
| Operating temperature | | Storage temperature | |
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 120 °C |

Rated data IECEx/ATEX

| | | | |
|--------------------------------|---|---------------------------|--------------------------|
| Certificate No. (ATEX) | KEMA98ATEX1683U | ATEX certificate | KEMA98ATEX1683U_d.pdf |
| ATEX certificate | KEMA98ATEX1683U_e.pdf | IEC Ex certificate | IECExULD05.0008U_e.pdf |
| Wire cross section max. (ATEX) | 2.5 mm ² | Voltage, cross-connection | CrossConnectionGuide.pdf |
| Operating temperature range | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Marking EN 60079-7 | |
| Marking ATEX Directive 94/9/EC | II 2 G D | | Ex e II |

Additional technical data

| | | | |
|-----------------------------|---------|---------------------|---|
| Explosion-tested version | Yes | Installation advice | Direct mounting |
| Number of similar terminals | 1 | Open sides | right |
| Type of mounting | Screwed | Version | Screw connection, With PE connection, One end without connector |

CSA ratings data

| | | | |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA) | 200039-1888378 | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG | | |

Clampable wires (rated connection)

| | | | |
|---|---------------------|---|----------------------|
| Type of connection | Screw connection | Stripping length | 10 mm |
| Blade size | 0.6 x 3.5 mm | Connection direction | top |
| Number of connections | 2 | Clamping range, rated connection, min. | 0.05 mm ² |
| Clamping range, rated connection, max. | 4 mm ² | Clamping screw | M 2.5 |
| Tightening torque, min. | 0.4 Nm | Tightening torque, max. | 0.6 Nm |
| Torque level with DMS electric screwdriver | 1 | Gauge to IEC 60947-1 | A3 |
| Wire connection cross section, solid core, max. rated connection | 0.5 mm ² | Wire connection cross section, solid core max. rated connection | 4 mm ² |
| Wire connection cross section, stranded, rated connection, min. | 1.5 mm ² | Wire connection cross section, stranded, rated connection, max. | 4 mm ² |
| Wire connection cross section, finely stranded, max. | 4 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, rated connection, min. | 0.5 mm ² | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max. | 2.5 mm ² |
| Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min. | 0.5 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max. | 2.5 mm ² |

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Technical data
Dimensions

| | |
|--------------|-------|
| TS 35 offset | 32 mm |
|--------------|-------|

Rated data

| | | | |
|--|---------------------|-------------------------------------|---------------|
| Rated cross-section | 2.5 mm ² | Rated voltage to adjoining terminal | 800 V |
| Rated impulse withstand voltage to adjacent terminal | 8 kV | Standards | IEC 60947-7-2 |
| Pollution severity | 3 | | |

UL ratings data

| | | | |
|---|-----------------|---|--------|
| Certificate No. (UR) | E60693VOL1SEC38 | Conductor size Factory wiring max. (UR) | 12 AWG |
| Conductor size Factory wiring min. (UR) | 26 AWG | Conductor size Field wiring max. (UR) | 12 AWG |

Material data

| | | | |
|---------------------------|-------|--------|---------------|
| Material | Wemid | Colour | Yellow, Green |
| UL 94 flammability rating | V-0 | | |

System specifications

| | | | |
|-----------------------------------|----------|----------------------------------|------------------|
| Product family | W-Series | Type of connection | Screw connection |
| Connection direction | top | Number of levels | 1 |
| Number of connections | 2 | No. of clamping points per level | 2 |
| Levels cross-connected internally | No | Mounting rail | TS 35 |
| End cover plate required | Yes | | |

PE rating data

| | | | |
|--|------------------------------|--|---------------------|
| Centre screw on PE terminals | M 2.5 | PEN function | No |
| Pollution severity | 3 | Rated cross-section | 2.5 mm ² |
| Rated short-time current | 300 A (2.5 mm ²) | Standards | IEC 60947-7-2 |
| Tightening torque range for fixing screw | 0.4...0.8 Nm | Torque level with DMS electric screwdriver | 1 |

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 2.0 | EC000901 | ETIM 3.0 | EC000901 |
| UNSPSC | 30-21-18-11 | eClass 4.1 | 27-14-03-05 |
| eClass 5.1 | 27-14-03-05 | eClass 6.2 | 27-14-03-05 |
| eClass 7.1 | 27-14-03-05 | | |

Product information

| | |
|---------------------------------|--|
| Descriptive text technical data | 2.5 mm ² conductor with ferrule with plastic collar, with the collar optimised for diameter only (order No. 1333100000, QTY 500). |
| Descriptive text accessories | Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10). |

Data sheet...

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Technical data

Approvals

Approvals



ROHS

Conform