

**W-Series  
WPE 2.5N****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

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www.weidmueller.com

**Klippon® Connect with clamping yoke Technology**

The high reliability and variety of designs of the terminal blocks with clamping yoke connections make planning easier and optimises operational safety. Klippon® Connect provides a proven response to a range of different requirements.

**General ordering data**

|            |                                                                                                   |
|------------|---------------------------------------------------------------------------------------------------|
| Type       | WPE 2.5N                                                                                          |
| Order No.  | <a href="#">1016200000</a>                                                                        |
| Version    | PE terminal, Screw connection, 2.5 mm <sup>2</sup> , 300 A (2.5 mm <sup>2</sup> ), green / yellow |
| GTIN (EAN) | 4008190018702                                                                                     |
| Qty.       | 100 pc(s).                                                                                        |

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**Technical data**
**Dimensions and weights**

|                          |         |                 |            |
|--------------------------|---------|-----------------|------------|
| Width                    | 5.1 mm  | Width (inches)  | 0.201 inch |
| Height                   | 54 mm   | Height (inches) | 2.126 inch |
| Depth                    | 37 mm   | Depth (inches)  | 1.457 inch |
| Depth including DIN rail | 37.5 mm | Net weight      | 12.73 g    |

**Temperatures**

|                                  |        |                                  |        |
|----------------------------------|--------|----------------------------------|--------|
| 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 <sup>2</sup>                                                                               | Wire cross section max. (IECEX) | 2.5 mm <sup>2</sup> |
| Operating temperature range    | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Marking EN 60079-7              |                     |
| Ex 2014/34/EU label            | II 2 G D                                                                                          |                                 | Ex e II             |

**System specifications**

|                                                          |                                                                 |                                    |              |
|----------------------------------------------------------|-----------------------------------------------------------------|------------------------------------|--------------|
| Version                                                  | Screw connection, With PE connection, One end without connector | Tightening torque (mounting screw) | 0.4...0.6 Nm |
| Tightening torque (clamping screw for copper conductors) | 0.4...0.6 Nm                                                    | End cover plate required           | Yes          |
| Number of potentials                                     | 1                                                               | Number of levels                   | 1            |
| No. 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           |

**Additional technical data**

|                          |                  |                             |         |
|--------------------------|------------------|-----------------------------|---------|
| Explosion-tested version | Yes              | Installation advice         | Screwed |
| Interlock                | for screw fixing | Number of similar terminals | 1       |
| Open sides               | right            | Type of mounting            | Screwed |

**CSA rating data**

|                               |           |                               |        |
|-------------------------------|-----------|-------------------------------|--------|
| Certificate No. (CSA)         | 12400-286 | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG    |                               |        |

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**Technical data**
**Conductors for clamping (rated connection)**

|                                                                                         |                      |                                                                                         |                     |
|-----------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------|---------------------|
| Blade size                                                                              | 0.6 x 3.5 mm         | Clamping range, max.                                                                    | 4 mm <sup>2</sup>   |
| Clamping range, min.                                                                    | 0.05 mm <sup>2</sup> | Clamping screw                                                                          | M 2.5               |
| Connection cross-section, stranded, max.                                                | 4 mm <sup>2</sup>    | Connection cross-section, stranded, min.                                                | 1.5 mm <sup>2</sup> |
| Connection direction                                                                    | on side              | Gauge to IEC 60947-1                                                                    | A3                  |
| Number of connections                                                                   | 2                    | Stripping length                                                                        | 10 mm               |
| Tightening torque, max.                                                                 | 0.6 Nm               | Tightening torque, min.                                                                 | 0.4 Nm              |
| Torque level with DMS electric screwdriver                                              | 1                    | Type of connection                                                                      | Screw connection    |
| Wire connection cross section AWG, max.                                                 | AWG 12               | Wire connection cross section AWG, min.                                                 | AWG 26              |
| Wire connection cross section, finely stranded, max.                                    | 4 mm <sup>2</sup>    | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm <sup>2</sup>  | Wire connection cross-section, finely stranded, min.                                    | 0.5 mm <sup>2</sup> |
| Wire connection cross-section, solid core, max.                                         | 4 mm <sup>2</sup>    | Wire connection cross-section, solid core, min.                                         | 0.5 mm <sup>2</sup> |

**PE rating data**

|                                          |                              |                              |       |
|------------------------------------------|------------------------------|------------------------------|-------|
| Rated short-time current                 | 300 A (2.5 mm <sup>2</sup> ) | Centre screw on PE terminals | M 2.5 |
| Tightening torque range for fixing screw | 0.4...0.6 Nm                 | PEN function                 | No    |

**Rating data**

|                                                      |                     |                                              |         |
|------------------------------------------------------|---------------------|----------------------------------------------|---------|
| Rated cross-section                                  | 2.5 mm <sup>2</sup> | Rated voltage to adjoining terminal          | 500 V   |
| Standards                                            | IEC 60947-7-2       | Volume resistance according to IEC 60947-7-x | 1.33 mΩ |
| Rated impulse withstand voltage to adjacent terminal | 6 kV                | Pollution severity                           | 3       |

**UL rating data**

|                                         |        |                                         |        |
|-----------------------------------------|--------|-----------------------------------------|--------|
| Certificate No. (UR)                    | E60693 | Conductor size Factory wiring max. (UR) | 12 AWG |
| Conductor size Factory wiring min. (UR) | 26 AWG | Conductor size Field wiring max. (UR)   | 12 AWG |
| Conductor size Field wiring min. (UR)   | 26 AWG |                                         |        |

**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | EC000901    | ETIM 4.0   | EC000491    |
| ETIM 5.0   | EC000491    | ETIM 6.0   | EC000901    |
| UNSPSC     | 30-21-18-11 | eClass 5.1 | 27-14-03-05 |
| eClass 6.2 | 27-14-03-05 | eClass 7.1 | 27-14-03-05 |
| eClass 8.1 | 27-14-11-41 | eClass 9.0 | 27-14-11-41 |
| eClass 9.1 | 27-14-11-41 |            |             |

**Product information**

|                                 |                                                                                                                                              |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Descriptive text technical data | 2.5 mm <sup>2</sup> 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).                                   |

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## Technical data

### Approvals

Approvals



ROHS Conform

### Downloads

|                                             |                                                                                                                                                                          |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">CFAT_WPE 2.5N.pdf</a><br><a href="#">IECEXULD14.0005U_e.pdf</a><br><a href="#">DE_PT1002_20160414_255_ISSUE01.pdf</a><br><a href="#">ACF-ATEX_4786180920</a> |
| Brochure/Catalogue                          | <a href="#">CAT 1 TERM 16/17 EN</a>                                                                                                                                      |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                                                                                                                 |
| User Documentation                          | <a href="#">NTI_IECEX_WDU-WPE 2.5N.pdf</a>                                                                                                                               |

### Safety note

Safety notice [Safety Information](#)

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## Drawings

