

**W-Series  
WPE 16N****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

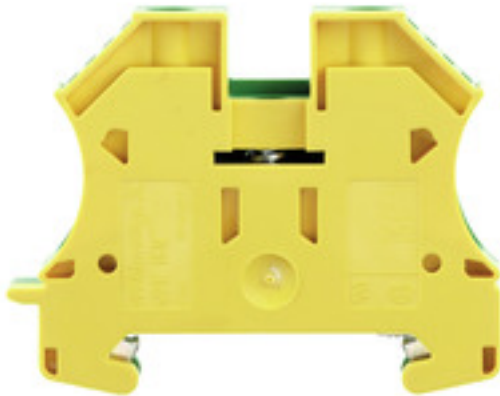
D-32758 Detmold

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 16N                                                                                          |
| Order No.  | <a href="#">1019100000</a>                                                                       |
| Version    | PE terminal, Screw connection, 16 mm <sup>2</sup> , 1920 A (16 mm <sup>2</sup> ), green / yellow |
| GTIN (EAN) | 4008190273248                                                                                    |
| Qty.       | 50 pc(s).                                                                                        |

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

|                          |         |                 |            |
|--------------------------|---------|-----------------|------------|
| Width                    | 12 mm   | Width (inches)  | 0.472 inch |
| Height                   | 56 mm   | Height (inches) | 2.205 inch |
| Depth                    | 46.5 mm | Depth (inches)  | 1.831 inch |
| Depth including DIN rail | 47 mm   | Net weight      | 33.98 g    |

**Temperatures**

|                                  |        |                                  |        |
|----------------------------------|--------|----------------------------------|--------|
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 130 °C |
|----------------------------------|--------|----------------------------------|--------|

**Material data**

|                           |       |        |                |
|---------------------------|-------|--------|----------------|
| Material                  | Wemid | Colour | green / yellow |
| UL 94 flammability rating | V-0   |        |                |

**System specifications**

|                                                          |                                              |                                    |            |
|----------------------------------------------------------|----------------------------------------------|------------------------------------|------------|
| Version                                                  | Screw connection, With PE connection, closed | Tightening torque (mounting screw) | 0.5...1 Nm |
| Tightening torque (clamping screw for copper conductors) | 1.2...2.4 Nm                                 | End cover plate required           | No         |
| 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                       | Yes        |

**Additional technical data**

|                          |                  |                             |         |
|--------------------------|------------------|-----------------------------|---------|
| Explosion-tested version | No               | Installation advice         | Screwed |
| Interlock                | for screw fixing | Number of similar terminals | 1       |
| Open sides               | closed           | Type of mounting            | Screwed |

**CSA rating data**

|                               |                |                               |       |
|-------------------------------|----------------|-------------------------------|-------|
| Certificate No. (CSA)         | 200039-1057876 | Wire cross section max. (CSA) | 6 AWG |
| Wire cross section min. (CSA) | 14 AWG         |                               |       |

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

|                                                                                         |                     |                                                                                         |                     |
|-----------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------|---------------------|
| Blade size                                                                              | 1.0 x 5.5 mm        | Clamping range, max.                                                                    | 25 mm <sup>2</sup>  |
| Clamping range, min.                                                                    | 1.5 mm <sup>2</sup> | Clamping screw                                                                          | M 4                 |
| Connection cross-section, stranded, max.                                                | 25 mm <sup>2</sup>  | Connection cross-section, stranded, min.                                                | 1.5 mm <sup>2</sup> |
| Connection direction                                                                    | on side             | Gauge to IEC 60947-1                                                                    | B7                  |
| Number of connections                                                                   | 2                   | Stripping length                                                                        | 12 mm               |
| Tightening torque, max.                                                                 | 2.4 Nm              | Tightening torque, min.                                                                 | 1.2 Nm              |
| Type of connection                                                                      | Screw connection    | Wire connection cross section AWG, max.                                                 | AWG 6               |
| Wire connection cross section AWG, min.                                                 | AWG 14              | Wire connection cross section, finely stranded, max.                                    | 16 mm <sup>2</sup>  |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 16 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 1.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 16 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 4 mm <sup>2</sup>   |
| Wire connection cross-section, finely stranded, min.                                    | 1.5 mm <sup>2</sup> | Wire connection cross-section, solid core, max.                                         | 16 mm <sup>2</sup>  |
| Wire connection cross-section, solid core, min.                                         | 1.5 mm <sup>2</sup> |                                                                                         |                     |

**Dimensions**

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

**PE rating data**

|                                          |                              |                              |     |
|------------------------------------------|------------------------------|------------------------------|-----|
| Rated short-time current                 | 1920 A (16 mm <sup>2</sup> ) | Centre screw on PE terminals | M 3 |
| Tightening torque range for fixing screw | 0.5...1.0 Nm                 | PEN function                 | Yes |

**Rating data**

|                                                      |                    |                                              |         |
|------------------------------------------------------|--------------------|----------------------------------------------|---------|
| Rated cross-section                                  | 16 mm <sup>2</sup> | Rated voltage to adjoining terminal          | 400 V   |
| Standards                                            | IEC 60947-7-2      | Volume resistance according to IEC 60947-7-x | 0.42 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) | 6 AWG |
| Conductor size Factory wiring min. (UR) | 14 AWG | Conductor size Field wiring max. (UR)   | 6 AWG |
| Conductor size Field wiring min. (UR)   | 14 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 |            |             |

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## Technical data

### Product information

|                                 |                                                                                                            |
|---------------------------------|------------------------------------------------------------------------------------------------------------|
| Descriptive text technical data | 25 mm <sup>2</sup> stranded requires a tightening torque of 2.2 Nm.                                        |
| Descriptive text accessories    | Rail support protective insulation for installation of mounting rail "SH 2" order No. 0494920000 (QTY 10). |

### Approvals

Approvals



ROHS Conform

### Downloads

|                                             |                                                    |
|---------------------------------------------|----------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">DE_PT1002_20160414_251_ISSUE01.pdf</a> |
| Brochure/Catalogue                          | <a href="#">CAT 1 TERM 16/17 EN</a>                |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>           |

### Safety note

|               |                                    |
|---------------|------------------------------------|
| Safety notice | <a href="#">Safety Information</a> |
|---------------|------------------------------------|

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## Drawings

