

**W-Series  
WPE 6**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
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[www.weidmueller.com](http://www.weidmueller.com)

**Product image****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 6                                                                                       |
| Order No.  | <a href="#">1010200000</a>                                                                  |
| Version    | PE terminal, Screw connection, 6 mm <sup>2</sup> , 720 A (6 mm <sup>2</sup> ), Green/yellow |
| GTIN (EAN) | 4008190090098                                                                               |
| Qty.       | 50 pc(s).                                                                                   |

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

|                          |         |                 |            |
|--------------------------|---------|-----------------|------------|
| Width                    | 7.9 mm  | Width (inches)  | 0.311 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      | 25.98 g    |

**Temperatures**

|                                  |                                                                                                   |                                  |        |
|----------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------|--------|
| Operating temperature range      | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Continuous operating temp., min. | -60 °C |
| Continuous operating temp., max. | 130 °C                                                                                            |                                  |        |

**Material data**

|                           |       |             |              |
|---------------------------|-------|-------------|--------------|
| Material                  | Wemid | Colour code | 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 <sup>2</sup>                                                                                 | Wire cross section max. (IECEx) | 6 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 eb II C Gb     |
| Ex 2014/34/EU label            | II 2 G D                                                                                          |                                 |                   |

**System specifications**

|                                                          |                                                       |                                    |            |
|----------------------------------------------------------|-------------------------------------------------------|------------------------------------|------------|
| Version                                                  | Screw connection, With PE connection, in closed state | Tightening torque (mounting screw) | 0.5...1 Nm |
| Tightening torque (clamping screw for copper conductors) | 0.8...1.3 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        |
| Rail                                                     | TS 35                                                 | N-function                         | No         |
| PE function                                              | Yes                                                   | PEN function                       | No         |

**Additional technical data**

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

**CSA rating data**

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

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

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

**Dimensions**

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

**PE rating data**

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

**Rating data**

|                                                      |                   |                                              |         |
|------------------------------------------------------|-------------------|----------------------------------------------|---------|
| Rated cross-section                                  | 6 mm <sup>2</sup> | Rated voltage to adjoining terminal          | 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              | Pollution severity                           | 3       |

**UL rating data**

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

### Approvals

Approvals



ROHS Conform

### Downloads

|                                             |                                                                                                                                                                          |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Attestation of Conformity</a><br><a href="#">IECEX Certificate</a><br><a href="#">DE_PT1002_20160414_261_ISSUE01.pdf</a><br><a href="#">ATEX Certificate</a> |
| Brochure/Catalogue                          | <a href="#">CAT 1 TERM 16/17 EN</a>                                                                                                                                      |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                                                                                                                 |
| Engineering Data                            | <a href="#">STEP</a>                                                                                                                                                     |
| User Documentation                          | <a href="#">NTI WDU/WPE 6</a><br><a href="#">NTI WDU/WPE 6 SL EN</a>                                                                                                     |

### Safety note

Safety notice [Safety Information](#)

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## Drawings

