

**W-Series  
WPE 4****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

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www.weidmuller.com



The PE terminals are available in two designs: standard and compact (N), with rated cross-section from 1.5 mm<sup>2</sup> to 150 mm<sup>2</sup> (e.g. 2.5 mm<sup>2</sup> – WPE 2.5 or 4 mm<sup>2</sup> – WPE 4N).

**General ordering data**

|            |                                                                                           |
|------------|-------------------------------------------------------------------------------------------|
| Type       | WPE 4                                                                                     |
| Order No.  | <a href="#">1010100000</a>                                                                |
| Version    | W-Series, PE terminal, Rated cross-section: 4 mm <sup>2</sup> , Screw connection, Screwed |
| GTIN (EAN) | 4008190039820                                                                             |
| Qty.       | 100 pc(s).                                                                                |

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

|                          |         |        |         |
|--------------------------|---------|--------|---------|
| Width                    | 6.1 mm  | Height | 56 mm   |
| Height of lowest version | 47.5 mm | Depth  | 46.5 mm |
| Net weight               | 18.5 g  |        |         |

**Temperatures**

|                                  |        |                                  |        |
|----------------------------------|--------|----------------------------------|--------|
| 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) | 4 mm <sup>2</sup>                                                                                 | 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 | Screwed                                      |
| Number of similar terminals | 1       | Open sides          | closed                                       |
| Type of mounting            | Snap-on | Version             | Screw connection, With PE connection, closed |

**CSA ratings data**

|                               |                |                               |        |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 200039-1888378 | Wire cross section max. (CSA) | 10 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                                                                                                          | on side              |
| Number of connections                                                                                                                 | 2                   | Clamping range, rated connection, min.                                                                                        | 0.13 mm <sup>2</sup> |
| Clamping range, rated connection, max.                                                                                                | 6 mm <sup>2</sup>   | Clamping screw                                                                                                                | M 3                  |
| Tightening torque, min.                                                                                                               | 0.5 Nm              | Tightening torque, max.                                                                                                       | 1 Nm                 |
| Torque level with DMS electric screwdriver                                                                                            | 2                   | Gauge to IEC 60947-1                                                                                                          | A4                   |
| Wire connection cross section, solid core, min. rated connection                                                                      | 0.5 mm <sup>2</sup> | Wire connection cross section, solid core max. rated connection                                                               | 6 mm <sup>2</sup>    |
| Wire connection cross section, stranded, rated connection, min.                                                                       | 0.5 mm <sup>2</sup> | Wire connection cross section, stranded, rated connection, max.                                                               | 6 mm <sup>2</sup>    |
| Wire connection cross section, finely stranded, max.                                                                                  | 6 mm <sup>2</sup>   | Wire connection cross-section, finely stranded, min.                                                                          | 0.5 mm <sup>2</sup>  |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, min.                             | 0.5 mm <sup>2</sup> | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.                     | 4 mm <sup>2</sup>    |
| Cross-section for connected conductor, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, min. | 0.5 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules and plastic collars DIN 46228/4, rated connection, max. | 4 mm <sup>2</sup>    |

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**Technical data**
**Dimensions**

|              |       |
|--------------|-------|
| TS 35 offset | 28 mm |
|--------------|-------|

**Rated data**

|                                                      |                   |                                     |               |
|------------------------------------------------------|-------------------|-------------------------------------|---------------|
| Rated cross-section                                  | 4 mm <sup>2</sup> | 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)                    | E60693 | Conductor size Factory wiring max. (UR) | 10 AWG |
| Conductor size Factory wiring min. (UR) | 26 AWG | Conductor size Field wiring max. (UR)   | 10 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              | on side  | 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          | No       |                                  |                  |

**PE rating data**

|                                          |                            |                                            |                   |
|------------------------------------------|----------------------------|--------------------------------------------|-------------------|
| Centre screw on PE terminals             | M 2.5                      | PEN function                               | No                |
| Pollution severity                       | 3                          | Rated cross-section                        | 4 mm <sup>2</sup> |
| Rated short-time current                 | 480 A (4 mm <sup>2</sup> ) | Standards                                  | IEC 60947-7-2     |
| Tightening torque range for fixing screw | 0.4...0.8 Nm               | Torque level with DMS electric screwdriver | 2                 |

**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | 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 |            |             |

**Product information**

|                              |                                                                                                            |
|------------------------------|------------------------------------------------------------------------------------------------------------|
| 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

**Data sheet****W-Series  
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**Drawings**