

**W-Series  
WDT 2.5 AT****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

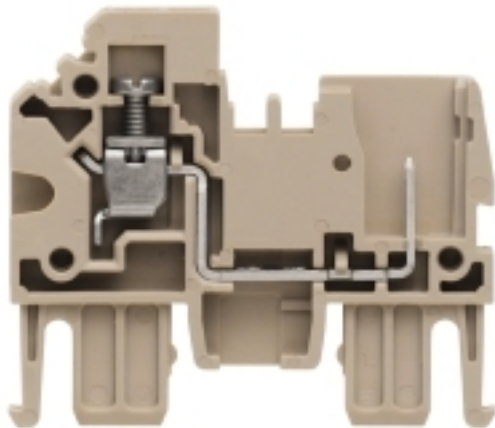
D-32758 Detmold

Germany

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**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       | WDT 2.5 AT                 |
| Order No.  | <a href="#">1305320000</a> |
| GTIN (EAN) | 4050118104363              |
| Qty.       | 50 pc(s).                  |

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

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Width      | 5.1 mm  | Width (inches)  | 0.201 inch |
| Height     | 42 mm   | Height (inches) | 1.654 inch |
| Depth      | 24.6 mm | Depth (inches)  | 0.969 inch |
| Net weight | 5.14 g  |                 |            |

**Temperatures**

|                                  |                |                                  |        |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature, max.        | 55 °C          | Storage temperature, min.        | -25 °C |
| Storage temperature              | -25 °C...55 °C | Continuous operating temp., min. | -50 °C |
| Continuous operating temp., max. | 120 °C         |                                  |        |

**Material data**

|                           |       |        |            |
|---------------------------|-------|--------|------------|
| Material                  | Wemid | Colour | dark beige |
| UL 94 flammability rating | V-0   |        |            |

**System specifications**

|                               |                                                                                                                                           |                                     |     |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----|
| Version                       | 1 plug-in connection -<br>1 plug-in connection - 1<br>adapter connection, for<br>plug-in cross-connector,<br>One end without<br>connector | End cover plate required            | Yes |
| Number of levels              | 1                                                                                                                                         | Number of clamping points per level | 1   |
| Number of potentials per tier | 1                                                                                                                                         | PE connection                       | No  |

**Additional technical data**

|            |       |                  |         |
|------------|-------|------------------|---------|
| Open sides | right | Type of mounting | Snap-on |
|------------|-------|------------------|---------|

**CSA rating data**

|                               |                 |                               |        |
|-------------------------------|-----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 200039-70001233 | Current size B (CSA)          | 20 A   |
| Current size C (CSA)          | 20 A            | Current size D (CSA)          | 10 A   |
| Voltage size B (CSA)          | 300 V           | Voltage size C (CSA)          | 300 V  |
| Voltage size D (CSA)          | 300 V           | 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.                                                                    | 0.13 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                                                                    | A4                  |
| Number of connections                                                                   | 1                    | Stripping length                                                                        | 7 mm                |
| Tightening torque, max.                                                                 | 0.6 Nm               | Tightening torque, min.                                                                 | 0.4 Nm              |
| Type of connection                                                                      | Screw connection     | Type of connection 2                                                                    | Plug-in 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> |

**Rating data**

|                                             |                          |                                              |         |
|---------------------------------------------|--------------------------|----------------------------------------------|---------|
| Rated cross-section                         | 2.5 mm <sup>2</sup>      | Rated voltage                                | 500     |
| Rated current                               | 24 A                     | Current at maximum wires                     | 27 A    |
| Standards                                   | IEC 60947-7-1, IEC 61984 | Volume resistance according to IEC 60947-7-x | 1.33 mΩ |
| Power loss in accordance with IEC 60947-7-x | 0.77 W                   | Rated impulse withstand voltage              | 6 kV    |
| Pollution severity                          | 3                        |                                              |         |

**UL rating data**

|                                            |        |                                            |        |
|--------------------------------------------|--------|--------------------------------------------|--------|
| Certificate No. (cURus)                    | E60693 | Conductor size Factory wiring max. (cURus) | 12 AWG |
| Conductor size Factory wiring min. (cURus) | 26 AWG | Conductor size Field wiring max. (cURus)   | 12 AWG |
| Conductor size Field wiring min. (cURus)   | 26 AWG | Current size B (cURus)                     | 20 A   |
| Current size C (cURus)                     | 20 A   | Current size D (cURus)                     | 10 A   |
| Voltage size B (cURus)                     | 300 V  | Voltage size C (cURus)                     | 300 V  |
| Voltage size D (cURus)                     | 300 V  |                                            |        |

**Classifications**

|             |             |            |             |
|-------------|-------------|------------|-------------|
| ETIM 6.0    | EC002848    | ETIM 7.0   | EC002848    |
| eClass 9.0  | 27-14-11-92 | eClass 9.1 | 27-14-11-92 |
| eClass 10.0 | 27-14-11-92 |            |             |

**Approvals**

Approvals



ROHS

Conform

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Catalogue status 14.08.2020 / We reserve the right to make technical changes.

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## Technical data

### Downloads

|                                             |                                                                                                                                              |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">EAC certificate</a><br><a href="#">DE_PT1031_20160418_757_ISSUE01.pdf</a><br><a href="#">Declaration of Conformity Terminals</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="#">StorageConditionsTerminalBlocks</a>                                                                                              |

### Safety note

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