

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

Klingenbergstraße 16

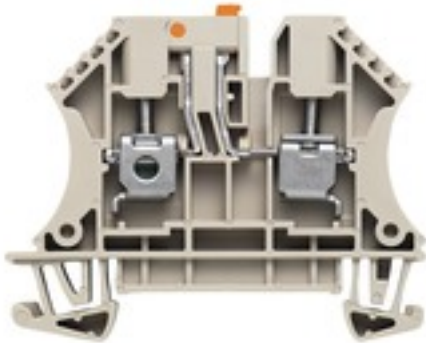
D-32758 Detmold

Germany

Fon: +49 5231 14-0

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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       | WTR 4 STB                                                                                         |
| Order No.  | <a href="#">7910210000</a>                                                                        |
| Version    | Test-disconnect terminal, Screw connection, 4 mm <sup>2</sup> , 400 V, 32 A, Pivoting, dark beige |
| GTIN (EAN) | 4008190576851                                                                                     |
| Qty.       | 50 pc(s).                                                                                         |

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

|                          |        |                 |            |
|--------------------------|--------|-----------------|------------|
| Width                    | 6.1 mm | Width (inches)  | 0.24 inch  |
| Height                   | 60 mm  | Height (inches) | 2.362 inch |
| Depth                    | 48 mm  | Depth (inches)  | 1.89 inch  |
| Depth including DIN rail | 49 mm  | Net weight      | 12.054 g   |

**Temperatures**

|                                  |               |                                  |        |
|----------------------------------|---------------|----------------------------------|--------|
| Storage temperature, max.        | 40 °C         | Storage temperature, min.        | 10 °C  |
| Storage temperature              | 10 °C...40 °C | Continuous operating temp., min. | -50 °C |
| Continuous operating temp., max. | 120 °C        |                                  |        |

**Environmental Product Compliance**

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

**Material data**

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

**Rating data IECEx/ATEX**

|                                |                  |                                 |                   |
|--------------------------------|------------------|---------------------------------|-------------------|
| Certificate No. (ATEX)         | DEMKO14ATEX1389U | Certificate No. (IECEX)         | IECEXUL14.0097U   |
| Max. voltage (ATEX)            | 400 V            | Current (ATEX)                  | 32 A              |
| Wire cross section max. (ATEX) | 4                | Max. voltage (IECEX)            | 400 V             |
| Current (IECEX)                | 32 A             | Wire cross section max. (IECEX) | 4 mm <sup>2</sup> |
| Marking EN 60079-7             | Ex ec II C Gc    | Ex 2014/34/EU label             | II 3 G D          |

**System specifications**

|                               |                                                                                  |                                                          |              |
|-------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------|--------------|
| Version                       | Screw connection, Spacer, for plug-in cross-connector, One end without connector | Tightening torque (clamping screw for copper conductors) | 0.5...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                 | No                                                                               | Rail                                                     | TS 35        |
| N-function                    | No                                                                               | PE function                                              | No           |
| PEN function                  | No                                                                               |                                                          |              |

**2 clampable conductors (H05V/H07V) with equal cross-section (rated connection)**

|                                                                                                            |                     |                                                                                                            |                     |
|------------------------------------------------------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------|---------------------|
| Wire connection cross section, finely stranded, two clampable wires, min.                                  | 0.5 mm <sup>2</sup> | Wire cross-section, finely stranded, two clampable wires, max.                                             | 1.5 mm <sup>2</sup> |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min. | 0.5 mm <sup>2</sup> | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max. | 1.5 mm <sup>2</sup> |

**Additional technical data**

|                          |       |                             |         |
|--------------------------|-------|-----------------------------|---------|
| Explosion-tested version | No    | Number of similar terminals | 1       |
| Open sides               | right | Type of mounting            | Snap-on |

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**Technical data**
**CSA rating data**

|                               |                |                               |        |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 200039-1057876 | Current size D (CSA)          | 10 A   |
| Voltage size D (CSA)          | 300 V          | Wire cross section max. (CSA) | 10 AWG |
| Wire cross section min. (CSA) | 22 AWG         |                               |        |

**Conductors for clamping (rated connection)**

|                                                                                         |                      |                                                                                         |                     |
|-----------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------|---------------------|
| Blade size                                                                              | 0.6 x 3.5 mm         | Clamping range, max.                                                                    | 6 mm <sup>2</sup>   |
| Clamping range, min.                                                                    | 0.22 mm <sup>2</sup> | Clamping screw                                                                          | M 3                 |
| Connection cross-section, stranded, max.                                                | 6 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                                                                   | 2                    | Stripping length                                                                        | 13 mm               |
| Tightening torque, max.                                                                 | 0.6 Nm               | Tightening torque, min.                                                                 | 0.5 Nm              |
| Torque level with DMS electric screwdriver                                              | 2                    | Type of connection                                                                      | Screw connection    |
| Wire connection cross section AWG, max.                                                 | AWG 10               | Wire connection cross section AWG, min.                                                 | AWG 22              |
| 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. | 4 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.                                         | 6 mm <sup>2</sup>    | Wire connection cross-section, solid core, min.                                         | 0.5 mm <sup>2</sup> |

**Dimensions**

|              |         |
|--------------|---------|
| TS 35 offset | 29.5 mm |
|--------------|---------|

**Disconnect terminals**

|                  |          |                      |     |
|------------------|----------|----------------------|-----|
| Cross-disconnect | without  | Integral test socket | Yes |
| Slitting         | Pivoting |                      |     |

**Rating data**

|                                              |                   |                                 |       |
|----------------------------------------------|-------------------|---------------------------------|-------|
| Rated cross-section                          | 4 mm <sup>2</sup> | Rated voltage                   | 400 V |
| Rated current                                | 32 A              | Current at maximum wires        | 32 A  |
| Volume resistance according to IEC 60947-7-x | 1 mΩ              | Rated impulse withstand voltage | 6 kV  |
| Pollution severity                           | 3                 |                                 |       |

**UL rating data**

|                                         |        |                                         |        |
|-----------------------------------------|--------|-----------------------------------------|--------|
| Certificate No. (UR)                    | E60693 | Conductor size Factory wiring max. (UR) | 10 AWG |
| Conductor size Factory wiring min. (UR) | 22 AWG | Conductor size Field wiring max. (UR)   | 10 AWG |
| Conductor size Field wiring min. (UR)   | 22 AWG | Current size D (UR)                     | 10 A   |
| Voltage size D (UR)                     | 300 V  |                                         |        |

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**Technical data**
**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | EC000902    | ETIM 4.0   | EC000902    |
| ETIM 5.0   | EC000902    | ETIM 6.0   | EC000902    |
| UNSPSC     | 30-21-18-11 | eClass 5.1 | 27-14-11-26 |
| eClass 6.2 | 27-14-11-26 | eClass 7.1 | 27-14-11-26 |
| eClass 8.1 | 27-14-11-26 | eClass 9.0 | 27-14-11-26 |
| eClass 9.1 | 27-14-11-26 |            |             |

**Approvals**

Approvals



ROHS

Conform

**Downloads**

|                                             |                                                                                                  |
|---------------------------------------------|--------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Attestation of Conformity</a><br><a href="#">DE_PT1002_20160418_1038_ISSUE01.pdf</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="#">Beipackzettel_WTR4.pdf</a><br><a href="#">NTL_Ex nA WTR4_SI.pdf</a>                  |

**Safety note**

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

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## Drawings

