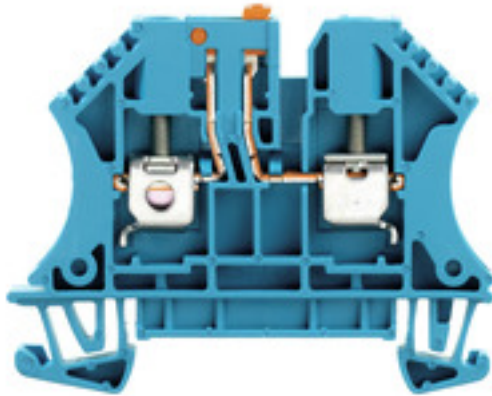


**W-Series  
WTR 4 BL**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 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       | WTR 4 BL   |
| Order No.  | <a href="#">7910190000</a>   |
| Version    | Test-disconnect terminal, Screw connection, 4 mm², 500 V, 32 A, Pivoting, blue |
| GTIN (EAN) | 4008 190576875   |
| 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      | 11.554 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        |                                  |        |

**Material data**

|                           |       |        |      |
|---------------------------|-------|--------|------|
| Material                  | Wemid | Colour | blue |
| UL 94 flammability rating | V-0   |        |      |

**Rating data IECEx/ATEX**

|                                |                  |                                 |                   |
|--------------------------------|------------------|---------------------------------|-------------------|
| Certificate No. (ATEX)         | DEMKO14ATEX1389U | Certificate No. (IECEX)         | IECEXUL 14.0097U  |
| 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,<br>Spacer, for plug-in cross-<br>connector, One end<br>without connector | End cover plate required      | Yes |
| Number of potentials                | 1  | Number of levels              | 1   |
| Number 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                    | Yes |
| PE function                         | No   | PEN function                  | No  |

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

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

**CSA rating data**

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

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**Technical data****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.  | 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   | 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> |

**Disconnect terminals**

|                  |          |                      |    |
|------------------|----------|----------------------|----|
| Cross-disconnect | without  | Integral test socket | No |
| Slitting         | Pivoting |                      |    |

**Rating data**

|  |                   |   |        |
|--|-------------------|---|--------|
| Rated cross-section                          | 4 mm <sup>2</sup> | Rated voltage                               | 500 V  |
| Rated current                                | 32 A              | Current at maximum wires                    | 32 A   |
| Volume resistance according to IEC 60947-7-x | 1 mΩ              | Power loss in accordance with IEC 60947-7-x | 1.02 W |
| 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  |   |        |

**Classifications**

|             |             |            |             |
|-------------|-------------|------------|-------------|
| ETIM 6.0    | EC000902    | ETIM 7.0   | EC000902    |
| eClass 9.0  | 27-14-11-26 | eClass 9.1 | 27-14-11-26 |
| eClass 10.0 | 27-14-11-26 | UNSPSC     | 30-21-18-11 |

**Data sheet**

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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="#">ATEX Certificate</a><br><a href="#">IECEX Certificate</a><br><a href="#">CB Test Certificate</a><br><a href="#">CB Certificate</a><br><a href="#">DE_PT1002_20160414_289_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="#">NTI WTR 4</a><br><a href="#">Usage of terminals in EXi atmospheres</a><br><a href="#">StorageConditionsTerminalBlocks</a>   |

**Safety note**

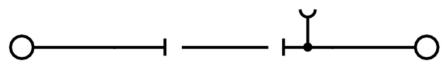
Safety notice [Safety Information](#)

**Data sheet**

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**Drawings**



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## Accessories

### Fuse carrier



#### DCS marshalling

Our innovative PRV terminal blocks for DCS marshalling featuring a PUSH IN connection and our multifunctional DCS marshalling terminals featuring a screw connection (WMF) not only save space in the panel; they also guarantee more effective signal transmission in process control systems.

#### General ordering data

|            |                            |  |
|------------|----------------------------|--|
| Type       | SIHA 3/G20/LD 140-250V     | Version  |
| Order No.  | <a href="#">7921600000</a> | Accessories, Fuse holder, Rated cross-section: Plug-in connection, |
| GTIN (EAN) | 4032248322633              | Wemid, dark beige, Operating instructions/catalogue                |
| Qty.       | 25 pc(s).                  |  |
| Type       | SIHA 3/G20                 | Version  |
| Order No.  | <a href="#">7921560000</a> | Accessories, Fuse holder, Rated cross-section: Plug-in connection, |
| GTIN (EAN) | 4032248264643              | Wemid, dark beige, Operating instructions/catalogue                |
| Qty.       | 25 pc(s).                  |  |
| Type       | SIHA 3/G20/LD 10-36V       | Version  |
| Order No.  | <a href="#">7921570000</a> | Accessories, Fuse holder, Rated cross-section: Plug-in connection, |
| GTIN (EAN) | 4032248322503              | Wemid, dark beige, Operating instructions/catalogue                |
| Qty.       | 25 pc(s).                  |  |

### Component plug



#### 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       | BEST/D                     | Version                           |
| Order No.  | <a href="#">1878560000</a> | Accessories, Component plug, 1 A  |
| GTIN (EAN) | 4032248471492              |                                   |
| Qty.       | 50 pc(s).                  |                                   |
| Type       | BEST                       | Version                           |
| Order No.  | <a href="#">1833100000</a> | Accessories, Component plug       |
| GTIN (EAN) | 4032248501014              |                                   |
| Qty.       | 50 pc(s).                  |                                   |
| Type       | BEST/DRBR                  | Version                           |
| Order No.  | <a href="#">1878570000</a> | Accessories, Component plug, 22 A |
| GTIN (EAN) | 4032248471508              |                                   |
| Qty.       | 50 pc(s).                  |                                   |

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**Accessories**

**End brackets**



**Klippon® Connect with clamping yoke Technology**  
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**General ordering data**

|            |                            |                       |
|------------|----------------------------|-----------------------|
| Type       | WEW 35/2                   | Version               |
| Order No.  | <a href="#">1061200000</a> | W-Series, End bracket |
| GTIN (EAN) | 4008190030230              |                       |
| Qty.       | 100 pc(s).                 |                       |

**ZQV 4N**



**Spring connection with tension clamp Technology**  
 Tension clamp technology is a universal contact system for all common conductor connection types. Its fantastic level of flexibility makes the tension clamp a profitable alternative connection.

**General ordering data**

|            |                            |                                    |
|------------|----------------------------|------------------------------------|
| Type       | ZQV 4N/4 GE                | Version                            |
| Order No.  | <a href="#">1762620000</a> | Accessories, Cross-connector, 32 A |
| GTIN (EAN) | 4032248169771              |                                    |
| Qty.       | 60 pc(s).                  |                                    |
| Type       | ZQV 4N/3 GE                | Version                            |
| Order No.  | <a href="#">1762630000</a> | Accessories, Cross-connector, 32 A |
| GTIN (EAN) | 4032248169788              |                                    |
| Qty.       | 60 pc(s).                  |                                    |
| Type       | ZQV 4N/2 GE                | Version                            |
| Order No.  | <a href="#">1758250000</a> | Accessories, Cross-connector, 32 A |
| GTIN (EAN) | 4032248169795              |                                    |
| Qty.       | 60 pc(s).                  |                                    |
| Type       | ZQV 4N/10 GE               | Version                            |
| Order No.  | <a href="#">1758260000</a> | Accessories, Cross-connector, 32 A |
| GTIN (EAN) | 4032248169764              |                                    |
| Qty.       | 20 pc(s).                  |                                    |

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**Accessories**

**End plates**



**Klippon® Connect with clamping yoke Technology**  
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**General ordering data**

|            |                            |                                       |
|------------|----------------------------|---------------------------------------|
| Type       | WAP 2.5-10                 | Version                               |
| Order No.  | <a href="#">1050000000</a> | W-Series, End plate                   |
| GTIN (EAN) | 4008190103149              |                                       |
| Qty.       | 50 pc(s).                  |                                       |
| Type       | WAP 16+35 WTW 2.5-10       | Version                               |
| Order No.  | <a href="#">1050100000</a> | W-Series, End plate, Separation plate |
| GTIN (EAN) | 4008190079901              |                                       |
| Qty.       | 20 pc(s).                  |                                       |

**Slotted screwdriver**

Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip



**General ordering data**

|            |                            |   |
|------------|----------------------------|---|
| Type       | SDS 0.6X3.5X100            | Version   |
| Order No.  | <a href="#">9008330000</a> | Screwdriver, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade thickness (A): 0.6 mm |
| GTIN (EAN) | 4032248056286              |   |
| Qty.       | 1 pc(s).                   |   |



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**Accessories**

**Disconnect plug**



**DCS marshalling**

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**General ordering data**

|            |                            |                                    |
|------------|----------------------------|------------------------------------|
| Type       | TNST                       | Version                            |
| Order No.  | <a href="#">1833090000</a> | Accessories, Disconnect plug, 20 A |
| GTIN (EAN) | 4032248471485              |                                    |
| Qty.       | 50 pc(s).                  |                                    |

**PicoPak**



**PicoPak: the robust one**

- Space-saving in the control cabinet thanks to the slim 6 mm width
- Passive isolator, loop-powered at the input and output
- Increased operating temperature range: -40°C ...+70°C
- Zero and Span adjustment possible

**General ordering data**

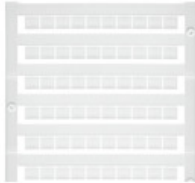
|            |                            |  |
|------------|----------------------------|--|
| Type       | WS 12/6 MC NE WS           | Version  |
| Order No.  | <a href="#">1609900000</a> | WS, Terminal marker, 12 x 6 mm, Pitch in mm (P): 6.00 Weidmueller, |
| GTIN (EAN) | 4008190203467              | Allen-Bradley, white   |
| Qty.       | 600 pc(s).                 |  |

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**Accessories**

**Blank**



The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.

Strips for fast installation in only one work step. The printing is easy to read, rich in contrast and available in various widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

**General ordering data**

|            |                            |   |  |
|------------|----------------------------|---|--|
| Type       | DEK 5/6 MC NE WS           | Version   |  |
| Order No.  | <a href="#">1609820000</a> | Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00 |  |
| GTIN (EAN) | 4008190203436              | Weidmueller, white  |  |
| Qty.       | 1,000 pc(s).               |   |  |