

**W-Series  
WDK 10 PE**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
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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       | WDK 10 PE                                                                   |
| Order No.  | <a href="#">1415470000</a>                                                  |
| Version    | PE terminal, Screw connection, 10 mm², 800 V, 1200 A (10 mm²), Green/yellow |
| GTIN (EAN) | 4050118219630                                                               |
| Qty.       | 50 pc(s).                                                                   |

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

|            |          |                 |            |
|------------|----------|-----------------|------------|
| Width      | 9.9 mm   | Width (inches)  | 0.39 inch  |
| Height     | 85 mm    | Height (inches) | 3.346 inch |
| Depth      | 69 mm    | Depth (inches)  | 2.717 inch |
| Net weight | 50.343 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 code | Green/yellow |
| UL 94 flammability rating | V-0   |             |              |

**System specifications**

|                               |                                                                                                 |                                                          |               |
|-------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------|
| Version                       | Screw connection, With PE connection, for screwable cross-connection, One end without connector | Tightening torque (clamping screw for copper conductors) | 1.2... 1.9 Nm |
| End cover plate required      | Yes                                                                                             | Number of potentials                                     | 1             |
| Number of levels              | 2                                                                                               | No. of clamping points per level                         | 2             |
| Number of potentials per tier | 1                                                                                               | Levels cross-connected internally                        | Yes           |
| PE connection                 | Yes                                                                                             | Rail                                                     | TS 35         |
| N-function                    | No                                                                                              | PE function                                              | Yes           |
| PEN function                  | No                                                                                              |                                                          |               |

**Additional technical data**

|                     |                 |            |       |
|---------------------|-----------------|------------|-------|
| Installation advice | when screwed in | Open sides | right |
| Type of mounting    | Snap-on         |            |       |

**CSA rating data**

|                               |                |                               |       |
|-------------------------------|----------------|-------------------------------|-------|
| Certificate No. (CSA)         | 200039-1057876 | Wire cross section max. (CSA) | 6 AWG |
| Wire cross section min. (CSA) | 18 AWG         |                               |       |

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

|                                                                                         |                     |                                                                                         |                     |
|-----------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------|---------------------|
| Blade size                                                                              | 1.0 x 5.5 mm        | Clamping range, max.                                                                    | 16 mm <sup>2</sup>  |
| Clamping range, min.                                                                    | 1.5 mm <sup>2</sup> | Clamping screw                                                                          | M 4                 |
| Connection cross-section, stranded, max.                                                | 16 mm <sup>2</sup>  | Connection cross-section, stranded, min.                                                | 1.5 mm <sup>2</sup> |
| Connection direction                                                                    | on side             | Gauge to IEC 60947-1                                                                    | B6                  |
| Number of connections                                                                   | 4                   | Stripping length                                                                        | 12 mm               |
| Tightening torque, max.                                                                 | 1.9 Nm              | Tightening torque, min.                                                                 | 1.2 Nm              |
| Twin wire-end ferrules, max.                                                            | 6 mm <sup>2</sup>   | Twin wire-end ferrules, min.                                                            | 1.5 mm <sup>2</sup> |
| Type of connection                                                                      | Screw connection    | Wire connection cross section AWG, max.                                                 | AWG 6               |
| Wire connection cross section AWG, min.                                                 | AWG 16              | Wire connection cross section, finely stranded, max.                                    | 16 mm <sup>2</sup>  |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 16 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 1.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 16 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 1.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded, min.                                    | 1.5 mm <sup>2</sup> | Wire connection cross-section, solid core, max.                                         | 16 mm <sup>2</sup>  |
| Wire connection cross-section, solid core, min.                                         | 1.5 mm <sup>2</sup> |                                                                                         |                     |

**PE rating data**

|                          |                              |              |    |
|--------------------------|------------------------------|--------------|----|
| Rated short-time current | 1200 A (10 mm <sup>2</sup> ) | PEN function | No |
|--------------------------|------------------------------|--------------|----|

**Rating data**

|                                                      |                    |                                 |               |
|------------------------------------------------------|--------------------|---------------------------------|---------------|
| Rated cross-section                                  | 10 mm <sup>2</sup> | Rated voltage                   | 800 V         |
| Rated voltage to adjoining terminal                  | 800 V              | Rated current                   | 57 A          |
| Current at maximum wires                             | 70 A               | Standards                       | IEC 60947-7-2 |
| Volume resistance according to IEC 60947-7-x         | 0.56 mΩ            | Rated impulse withstand voltage | 8 kV          |
| Rated impulse withstand voltage to adjacent terminal | 8 kV               | Pollution severity              | 3             |
| Surge voltage category                               | III                |                                 |               |

**UL rating data**

|                                         |        |                                         |       |
|-----------------------------------------|--------|-----------------------------------------|-------|
| Certificate No. (UR)                    | E60693 | Conductor size Factory wiring max. (UR) | 6 AWG |
| Conductor size Factory wiring min. (UR) | 18 AWG | Conductor size Field wiring max. (UR)   | 6 AWG |
| Conductor size Field wiring min. (UR)   | 18 AWG |                                         |       |

**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 5.0   | EC000897    | ETIM 6.0   | EC000901    |
| eClass 6.2 | 27-14-11-20 | eClass 7.1 | 27-14-11-20 |
| eClass 8.1 | 27-14-11-20 | 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[DE\\_PT1001\\_20160414\\_100\\_ISSUE01.pdf](#)

Brochure/Catalogue

[CAT 1 TERM 16/17 EN](#)

Engineering Data

[EPLAN, WSCAD, Zuken E3.S](#)

Engineering Data

[STEP](#)**Safety note**

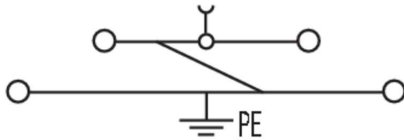
Safety notice

[Safety Information](#)

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## Drawings



## W-Series WDK 10 PE

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## Accessories

### End plates



#### Klippon® Connect with clamping yoke Technology

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#### General ordering data

| Type       | Order No.                  | Version             | GTIN (EAN)               | Qty. |
|------------|----------------------------|---------------------|--------------------------|------|
| WAP WDK 10 | <a href="#">1186720000</a> | W-Series, End plate | 405011802466 1 20 pc(s). |      |
| WAP WDK 10 | <a href="#">1186730000</a> | W-Series, End plate | 4050118024678 20 pc(s).  |      |
| BL         |                            |                     |                          |      |

### End brackets



#### Klippon® Connect with clamping yoke Technology

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#### General ordering data

| Type     | Order No.                  | Version               | GTIN (EAN)              | Qty. |
|----------|----------------------------|-----------------------|-------------------------|------|
| WEW 35/1 | <a href="#">1059000000</a> | W-Series, End bracket | 4008190172282 50 pc(s). |      |

### Partition plates



#### Klippon® Connect with clamping yoke Technology

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#### General ordering data

| Type   | Order No.                  | Version                    | GTIN (EAN)              | Qty. |
|--------|----------------------------|----------------------------|-------------------------|------|
| WTW EN | <a href="#">1058800000</a> | W-Series, Separation plate | 4008190140175 20 pc(s). |      |

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## Accessories

### Marking Holder



#### 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                | Order No.                  | Version                    | GTIN (EAN)    | Qty.       |
|---------------------|----------------------------|----------------------------|---------------|------------|
| BZT 1 ZA WS<br>10/5 | <a href="#">1805520000</a> | Accessories, Marker holder | 4032248270248 | 100 pc(s). |
| BZT 1 WS<br>10/5    | <a href="#">1805490000</a> | Accessories, Marker holder | 4032248270231 | 100 pc(s). |

### WQV 10



#### Klippon® Connect with clamping yoke Technology

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#### General ordering data

| Type      | Order No.                  | Version                                                              | GTIN (EAN)    | Qty.      |
|-----------|----------------------------|----------------------------------------------------------------------|---------------|-----------|
| WQV 10/2  | <a href="#">1052560000</a> | W-Series, Cross-connector,<br>For the terminals, No. of<br>poles: 2  | 4008190154943 | 50 pc(s). |
| WQV 10/10 | <a href="#">1052460000</a> | W-Series, Cross-connector,<br>For the terminals, No. of<br>poles: 10 | 4008190152130 | 20 pc(s). |
| WQV 10/3  | <a href="#">1054960000</a> | W-Series, Cross-connector,<br>For the terminals, No. of<br>poles: 3  | 4008190079079 | 50 pc(s). |
| WQV 10/4  | <a href="#">1055060000</a> | W-Series, Cross-connector,<br>For the terminals, No. of<br>poles: 4  | 4008190188245 | 50 pc(s). |

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**Accessories**
**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        | Order No.                  | Version                                                            | GTIN (EAN)    | Qty.     |
|-------------|----------------------------|--------------------------------------------------------------------|---------------|----------|
| SDS         | <a href="#">9008350000</a> | Screwdriver, Blade width                                           | 4032248056316 | 1 pc(s). |
| 1.0X5.5X150 |                            | (B): 5.5 mm, Blade length:<br>150 mm, Blade thickness<br>(A): 1 mm |               |          |

**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         | Order No.                  | Version                                               | GTIN (EAN)    | Qty.       |
|--------------|----------------------------|-------------------------------------------------------|---------------|------------|
| DEK 5/8-11.5 | <a href="#">1341630000</a> | Dekafix, Terminal marker,                             | 4050118145946 | 500 pc(s). |
| MC NE WS     |                            | 5 x 8 mm, Pitch in mm (P):<br>8.00 Weidmueller, white |               |            |