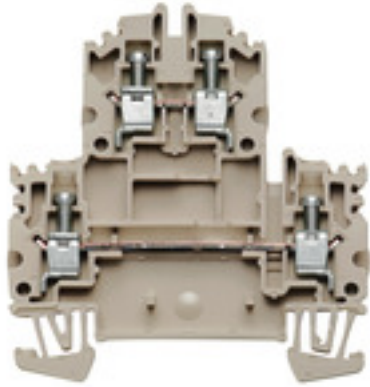


**W-Series  
WDK 4N SW**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**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 4N SW  |
| Order No.  | <a href="#">1068050000</a>   |
| Version    | Double-tier terminal, Screw connection, 4 mm <sup>2</sup> , 800 V, 32 A, Black |
| GTIN (EAN) | 4032248822171  |
| Qty.       | 100 pc(s).   |

**W-Series**  
**WDK 4N SW**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

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

|                          |          |                 |            |
|--------------------------|----------|-----------------|------------|
| Width                    | 6.1 mm   | Width (inches)  | 0.24 inch  |
| Height                   | 60 mm    | Height (inches) | 2.362 inch |
| Depth                    | 63.25 mm | Depth (inches)  | 2.49 inch  |
| Depth including DIN rail | 64.15 mm | Net weight      | 14.85 g    |

**Temperatures**

|                                  |        |                                  |        |
|----------------------------------|--------|----------------------------------|--------|
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 120 °C |
|----------------------------------|--------|----------------------------------|--------|

**Material data**

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

**Rating data IECEx/ATEX**

|                                |   |                                 |                   |
|--------------------------------|---|---------------------------------|-------------------|
| Certificate No. (ATEX)         | KEMA00ATEX2061U   | Certificate No. (IECEX)         | IECEXULD05.0008U  |
| Max. voltage (ATEX)            | 550 V   | Current (ATEX)                  | 28 A              |
| Wire cross section max. (ATEX) | 4 mm <sup>2</sup>   | Max. voltage (IECEX)            | 550 V             |
| Current (IECEX)                | 28 A  | Wire cross section max. (IECEX) | 4 mm <sup>2</sup> |
| Operating temperature range    | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Ex 2014/34/EU label             | II 2 G D          |

**System specifications**

|                               |  |  |            |
|-------------------------------|--|--|------------|
| Version                       | Screw connection, for plug-in cross-connector, One end without connector | Tightening torque (clamping screw for copper conductors) | 0.5...1 Nm |
| End cover plate required      | Yes  | Number of potentials                                     | 2          |
| Number of levels              | 2  | No. of clamping points per level                         | 2          |
| Number of potentials per tier | 1  | Levels cross-connected internally                        | No         |
| PE connection                 | No   | Mounting 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 | Yes   | Number of similar terminals | 1       |
| Open sides               | right | Type of mounting            | Snap-on |

**W-Series**  
**WDK 4N SW**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

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

|                               |                |                               |        |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 200039-1057876 | Current size C (CSA)          | 30 A   |
| Current size D (CSA)          | 5 A            | Voltage size C (CSA)          | 300 V  |
| Voltage size D (CSA)          | 600 V          | Wire cross section max. (CSA) | 10 AWG |
| Wire cross section min. (CSA) | 26 AWG         |                               |        |

**Conductors for clamping (rated connection)**

|   |                      |   |                     |
|---|----------------------|---|---------------------|
| Blade size  | 0.6 x 3.5 mm         | Clamping range, rated connection, max.  | 6 mm <sup>2</sup>   |
| Clamping range, rated connection, min.  | 0.13 mm <sup>2</sup> | Clamping screw  | M 3                 |
| Connection direction  | on side              | 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> |
| Gauge to IEC 60947-1  | A4                   | Number of connections   | 4                   |
| Stripping length  | 8 mm                 | Tightening torque, max.   | 1 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 12              |
| Wire connection cross section AWG, min.   | AWG 26               | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max.                             | 4 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, max.  | 4 mm <sup>2</sup>   |
| Wire connection cross section, solid core max. rated connection   | 6 mm <sup>2</sup>    | Wire connection cross section, solid core, min. rated connection  | 0.5 mm <sup>2</sup> |
| Wire connection cross section, stranded, rated connection, max.   | 6 mm <sup>2</sup>    | Wire connection cross section, stranded, rated connection, min.   | 1.5 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>    | Wire connection cross-section, finely stranded, min.  | 0.5 mm <sup>2</sup> |

**Dimensions**

|              |       |
|--------------|-------|
| TS 35 offset | 30 mm |
|--------------|-------|

**Rating data**

|  |                   |                                 |               |
|--|-------------------|---------------------------------|---------------|
| Rated cross-section                          | 4 mm <sup>2</sup> | Rated voltage                   | 800 V         |
| Rated current                                | 32 A              | Standards                       | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 2 mΩ              | Rated impulse withstand voltage | 8 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) | 26 AWG | Conductor size Field wiring max. (UR)   | 10 AWG |
| Conductor size Field wiring min. (UR)   | 26 AWG | Current size C (UR)                     | 35 A   |
| Voltage size C (UR)                     | 600 V  |   |        |

**Data sheet**

**W-Series  
WDK 4N SW**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

**Technical data**

**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | EC000897    | ETIM 4.0   | EC000897    |
| ETIM 5.0   | EC000897    | ETIM 6.0   | EC000897    |
| eClass 6.2 | 27-14-11-20 | eClass 7.1 | 27-14-11-20 |
| eClass 8.1 | 27-14-11-20 | eClass 9.0 | 27-14-11-20 |
| eClass 9.1 | 27-14-11-20 |            |             |

**Approvals**

Approvals



ROHS Conform

**Downloads**

Engineering Data [EPLAN, WSCAD, Zuken E3.S](#)  
 User Documentation [Cross Connection Guide](#)

**Safety note**

Safety notice [Safety Information](#)

**Data sheet**

**W-Series**  
**WDK 4N SW**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
[www.weidmueller.com](http://www.weidmueller.com)

**Drawings**

