

**W-Series  
WDK 2.5V BL****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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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 2.5V BL                                                                               |
| Order No.  | <a href="#">1022380000</a>                                                                |
| Version    | Feed-through terminal, Double-tier terminal, Screw connection, 2.5 mm², 400 V, 24 A, blue |
| GTIN (EAN) | 4008190168841                                                                             |
| Qty.       | 50 pc(s).                                                                                 |

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

|                          |          |                 |            |
|--------------------------|----------|-----------------|------------|
| Width                    | 5.1 mm   | Width (inches)  | 0.201 inch |
| Height                   | 69.5 mm  | Height (inches) | 2.736 inch |
| Depth                    | 62.5 mm  | Depth (inches)  | 2.461 inch |
| Depth including DIN rail | 63.5 mm  | Weight          | 14.1 g     |
| Net weight               | 13.376 g |                 |            |

**Temperatures**

|                                  |                                                                                                   |                                  |                |
|----------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------|----------------|
| Operating temperature range      | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Storage temperature, max.        | 55 °C          |
| Storage temperature, min.        | -25 °C                                                                                            | Storage temperature              | -25 °C...55 °C |
| Continuous operating temp., min. | -60 °C                                                                                            | Continuous operating temp., max. | 130 °C         |

**Material data**

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

**Rating data IECEx/ATEX**

|                                |                                                                                                   |                                 |                   |
|--------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------|-------------------|
| Certificate No. (ATEX)         | DEMKO15ATEX1346U                                                                                  | Certificate No. (IECEX)         | IECEXULD15.0003U  |
| Max. voltage (ATEX)            | 275 V                                                                                             | Current (ATEX)                  | 24 A              |
| Wire cross section max. (ATEX) | 4 mm <sup>2</sup>                                                                                 | Max. voltage (IECEX)            | 275 V             |
| Current (IECEX)                | 24 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 | Marking EN 60079-7              | Ex eb II C Gb     |
| Ex 2014/34/EU label            | II 2 G D                                                                                          |                                 |                   |

**System specifications**

|                                     |                                                                                                         |                               |     |
|-------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------|-----|
| Version                             | Screw connection, Vertically cross-connected, for screwable cross-connection, One end without connector | End cover plate required      | Yes |
| Number of potentials                | 1                                                                                                       | Number of levels              | 2   |
| Number of clamping points per level | 2                                                                                                       | Number of potentials per tier | 1   |
| Levels cross-connected internally   | Yes                                                                                                     | 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 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> |

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**Technical data**
**Additional technical data**

|                          |       |                             |         |
|--------------------------|-------|-----------------------------|---------|
| Explosion-tested version | Yes   | Number of similar terminals | 1       |
| Open sides               | right | Type of mounting            | Snap-on |

**CSA rating data**

|                               |           |                               |        |
|-------------------------------|-----------|-------------------------------|--------|
| Certificate No. (CSA)         | 12400-135 | Current size C (CSA)          | 10 A   |
| Voltage size C (CSA)          | 300 V     | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG    |                               |        |

**Conductors for clamping (rated connection)**

|                                                                                         |                      |                                                                                         |                     |
|-----------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------|---------------------|
| Blade size                                                                              | 0.6 x 3.5 mm         | Clamping range, max.                                                                    | 4 mm <sup>2</sup>   |
| Clamping range, min.                                                                    | 0.05 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                                                                    | A3                  |
| Number of connections                                                                   | 4                    | Stripping length                                                                        | 10 mm               |
| Tightening torque, max.                                                                 | 0.6 Nm               | Tightening torque, min.                                                                 | 0.4 Nm              |
| Torque level with DMS electric screwdriver                                              | 1                    | Type of connection                                                                      | Screw connection    |
| Wire connection cross section AWG, max.                                                 | AWG 12               | Wire connection cross section AWG, min.                                                 | AWG 30              |
| 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                                | 400 V   |
| Rated current                               | 24 A                | Current at maximum wires                     | 32 A    |
| Standards                                   | IEC 60947-7-1       | 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. (UR)                    | E60693 | Conductor size Factory wiring max. (UR) | 12 AWG |
| Conductor size Factory wiring min. (UR) | 30 AWG | Conductor size Field wiring max. (UR)   | 12 AWG |
| Conductor size Field wiring min. (UR)   | 22 AWG | Current size B (UR)                     | 20 A   |
| Current size C (UR)                     | 20 A   | Voltage size B (UR)                     | 600 V  |
| Voltage size C (UR)                     | 600 V  |                                         |        |

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**Technical data****Classifications**

|             |             |            |             |
|-------------|-------------|------------|-------------|
| ETIM 6.0    | EC000897    | ETIM 7.0   | EC000897    |
| eClass 9.0  | 27-14-11-20 | eClass 9.1 | 27-14-11-20 |
| eClass 10.0 | 27-14-11-20 | UNSPSC     | 30-21-18-11 |

**Approvals**

Approvals



ROHS

Conform

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Conformity

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[DE\\_PT1001\\_20160418\\_717\\_ISSUE01.pdf](#)  
[Declaration of Conformity Terminals](#)

Brochure/Catalogue

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

Engineering Data

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

Engineering Data

[STEP](#)

User Documentation

[Operating instructions\\_WDKV\\_DKV.pdf](#)  
[Usage of terminals in EXi atmospheres](#)  
[StorageConditionsTerminalBlocks](#)  
[WDK 2.5 V](#)  
[NTI WDK 2.5 V DU PE](#)

**Safety note**

Safety notice

[Safety Information](#)

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## Drawings

