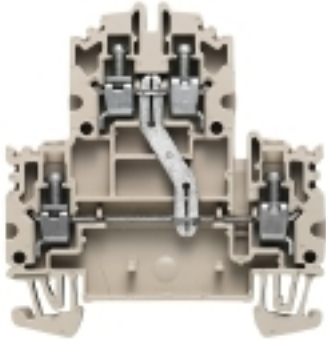


W-Series
WDK 4N V

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 V |
| Order No. | 1041910000 |
| Version | Double-tier terminal, Screw connection, 4 mm ² , 800 V, 32 A, Dark Beige |
| GTIN (EAN) | 4032248138753 |
| Qty. | 100 pc(s). |

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Technical data
Dimensions and weights

| | | | |
|--------------------------|----------|-----------------|-----------|
| Width | 6.1 mm | Width (inches) | 0.24 inch |
| Height | 60.7 mm | Height (inches) | 2.39 inch |
| Depth | 63.25 mm | Depth (inches) | 2.49 inch |
| Depth including DIN rail | 64.15 mm | Net weight | 15.09 g |

Temperatures

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

Material data

| | | | |
|---------------------------|-------|--------|------------|
| Material | Wemid | Colour | Dark Beige |
| UL 94 flammability rating | V-0 | | |

Rating data IECEx/ATEX

| | | | |
|--------------------------------|---|---------------------------------|-------------------|
| Certificate No. (ATEX) | KEMA00ATEX2061U | Certificate No. (IECEX) | IECEXULDO5.0008U |
| Max. voltage (ATEX) | 550 V | Current (ATEX) | 28 A |
| Wire cross section max. (ATEX) | 4 mm ² | Max. voltage (IECEX) | 550 V |
| Current (IECEX) | 28 A | Wire cross section max. (IECEX) | 4 mm ² |
| Operating temperature range | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Marking EN 60079-7 | Ex e II |
| Ex 2014/34/EU label | II 2 G D | | |

System specifications

| | | | |
|-----------------------------------|--|--|------------|
| Version | Screw connection, for plug-in cross-connector, One end without connector, Vertically cross-connected | Tightening torque (clamping screw for copper conductors) | 0.5...1 Nm |
| End cover plate required | Yes | Number of potentials | 1 |
| Number of levels | 2 | No. of clamping points per level | 2 |
| Levels cross-connected internally | Yes | 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 ² | Wire cross-section, finely stranded, two clampable wires, max. | 1.5 mm ² |
| Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, min. | 0.5 mm ² | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, 2 clampable wires, max. | 1.5 mm ² |

Additional technical data

| | | | |
|--------------------------|-------|-----------------------------|---------|
| Explosion-tested version | Yes | 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 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, max. | 6 mm ² |
| Clamping range, min. | 0.13 mm ² | Clamping screw | M 3 |
| Connection cross-section, stranded, max. | 6 mm ² | Connection cross-section, stranded, min. | 1.5 mm ² |
| Connection direction | on side | 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 10 | Wire connection cross section AWG, min. | AWG 26 |
| Wire connection cross section, finely stranded, max. | 4 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 4 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 4 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm ² | Wire connection cross-section, finely stranded, min. | 0.5 mm ² |
| Wire connection cross-section, solid core, max. | 6 mm ² | Wire connection cross-section, solid core, min. | 0.5 mm ² |

Rating data

| | | | |
|---------------------------------|-------------------|--|-------|
| Rated cross-section | 4 mm ² | Rated voltage | 800 V |
| Rated current | 32 A | Current at maximum wires | 35 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 | | |

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 3.0 | EC000897 | ETIM 4.0 | EC000897 |
| ETIM 5.0 | EC000897 | ETIM 6.0 | EC000897 |
| UNSPSC | 30-21-18-11 | eClass 5.1 | 27-14-11-20 |
| 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 | | |

Data sheet

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Technical data

Product information

| | |
|---------------------------------|--|
| Descriptive text technical data | Rated voltage: 400 V when using ZQV cross-connection 2 wire H07V-U1.5, tighten with 0.6 Nm. |
| Descriptive text accessories | Cross-connections, see section "W series accessories". |

Approvals

Approvals



| | |
|------|---------|
| ROHS | Conform |
|------|---------|

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | CFAT_WDK 4N V.pdf DE_PT1001_20160418_732_ISSUE01.pdf |
| Brochure/Catalogue | CAT 1 TERM 16/17 EN |
| Engineering Data | EPLAN_WSCAD_Zuken E3.S |
| User Documentation | Beipackzettel_WDKV_DKV.pdf Cross Connection Guide |

Safety note

| | |
|---------------|------------------------------------|
| Safety notice | Safety Information |
|---------------|------------------------------------|

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Drawings

