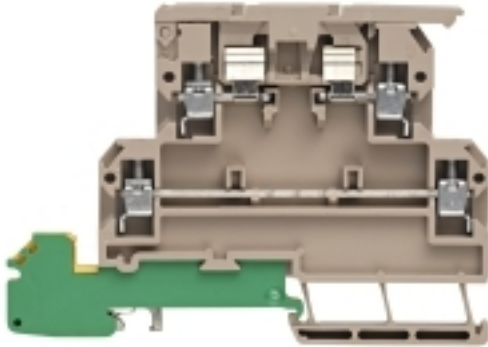


W-Series
KDKS 1/PE/35 DB

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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 | KDKS 1/PE/35 DB |
| Order No. | 9532450000 |
| Version | W-Series, Fuse terminal, Rated cross-section: 4 mm ² , Screw connection |
| GTIN (EAN) | 4032248039210 |
| Qty. | 50 pc(s). |

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Technical data
Dimensions and weights

| | | | |
|------------|--------|-----------------|------------|
| Width | 8 mm | Width (inches) | 0.315 inch |
| Height | 91 mm | Height (inches) | 3.583 inch |
| Depth | 65 mm | Depth (inches) | 2.559 inch |
| Net weight | 28.6 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 | dark beige |
| UL 94 flammability rating | V-0 | | |

System specifications

| | | | |
|-------------------------------|--|--|------------|
| Version | Screw connection, Fuse isolator, With PE connection, One end without connector | Tightening torque (clamping screw for copper conductors) | 0.5...1 Nm |
| End cover plate required | Yes | Number of potentials | 3 |
| Number of levels | 3 | No. of clamping points per level | 2 |
| Number of potentials per tier | 1 | Levels cross-connected internally | No |
| PE connection | Yes | Rail | TS 35 |
| N-function | No | PE function | Yes |
| 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 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 mm ² |

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) | 12400-281 | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG | | |

Conductors for clamping (additional connection)

| | |
|---|-------------------|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 4 mm ² |
|---|-------------------|

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

| | | | |
|---|----------------------|---|---------------------|
| Blade size | 0.6 x 3.5 mm | Clamping range, max. | 4 mm ² |
| Clamping range, min. | 0.33 mm ² | Clamping screw | M 3 |
| Connection cross-section, stranded, max. | 4 mm ² | Connection cross-section, stranded, min. | 1.5 mm ² |
| Connection direction | on side | Gauge to IEC 60947-1 | A3 |
| Number of connections | 3 | Stripping length | 9 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 22 |
| 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, min. | 0.5 mm ² |
| Wire connection cross-section, solid core, max. | 4 mm ² | Wire connection cross-section, solid core, min. | 0.5 mm ² |

Fuse terminals

| | | |
|--------------------------------------|--------------|---|
| Cartridge fuse | G-Si. 5 x 20 | Permitted power loss for fuse with semiconductor protection |
| Power loss, 1-pole ; 2-pole ; 3-pole | | |

PE rating data

| | | | |
|--------------------------|------------------------------|--------------|----|
| Rated short-time current | 300 A (2.5 mm ²) | PEN function | No |
|--------------------------|------------------------------|--------------|----|

Rating data

| | | | |
|--|-------------------|---------------------------------|---|
| Rated cross-section | 4 mm ² | Rated voltage | 250 V |
| Rated voltage to adjoining terminal | 500 V | Rated current | 6.3 A |
| Current at maximum wires | 6.3 A | Standards | IEC 60947-7-1, IEC 60947-7-2, IEC 60947-7-3 |
| Volume resistance according to IEC 60947-7-x | 2 mΩ | Rated impulse withstand voltage | 6 kV |
| Pollution severity | 3 | Surge voltage category | III |

UL rating data

| | | | |
|---|--------|---|--------|
| Certificate No. (UR) | E60693 | Conductor size Factory wiring max. (UR) | 12 AWG |
| Conductor size Factory wiring min. (UR) | 26 AWG | Conductor size Field wiring max. (UR) | 12 AWG |
| Conductor size Field wiring min. (UR) | 22 AWG | | |

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 3.0 | EC000899 | ETIM 4.0 | EC000900 |
| ETIM 5.0 | EC000900 | ETIM 6.0 | EC000899 |
| UNSPSC | 30-21-18-11 | eClass 5.1 | 27-14-11-28 |
| eClass 6.2 | 27-14-11-28 | eClass 7.1 | 27-14-11-28 |
| eClass 8.1 | 27-14-11-16 | eClass 9.0 | 27-14-11-16 |
| eClass 9.1 | 27-14-11-16 | | |

Data sheet**W-Series**
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Approvals



ROHS

Conform

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Engineering Data

[EPLAN.WSCAD](#)**Safety note**

Safety notice

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