

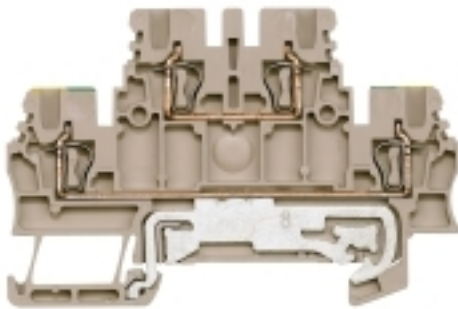
ZDK 1.5DU-PE**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

General ordering data

| | |
|------------|--|
| Version | Feed-through terminal, Double-tier terminal, Tension-clamp connection, 1.5 mm ² , 500 V, 17.5 A, dark beige |
| Order No. | 1791120000 |
| Type | ZDK 1.5DU-PE |
| GTIN (EAN) | 4032248239139 |
| Qty. | 100 pc(s). |

Creation date February 20, 2023 12:08:19 PM CET

Catalogue status 03.02.2023 / We reserve the right to make technical changes.

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Technical data

Dimensions and weights

| | | | |
|--------------------------|------------|----------------|------------|
| Depth | 49.5 mm | Depth (inches) | 1.949 inch |
| Depth including DIN rail | 50 mm | Height | 75.5 mm |
| Height (inches) | 2.972 inch | Width | 3.5 mm |
| Width (inches) | 0.138 inch | Net weight | 12.25 g |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|-----|
| Storage temperature | -25 °C...55 °C | Continuous operating temp., min. | -50 |
| Continuous operating temp., max. | 120 | | |

Material data

| | | | |
|---------------------------|-------|--------|------------|
| Material | Wemid | Colour | dark beige |
| UL 94 flammability rating | V-0 | | |

System specifications

| | | | |
|-----------------------------------|--|-------------------------------------|-----|
| Version | Tension-clamp connection, With PE connection, for plug-in cross-connector, One end without connector | End cover plate required | Yes |
| Number of levels | 2 | Number of clamping points per level | 2 |
| Levels cross-connected internally | No | PE connection | Yes |
| Rail | TS 35 | | |

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) | 154685-1461041 | Wire cross section max. (CSA) | 16 AWG |
| Wire cross section min. (CSA) | 28 AWG | | |

Conductors for clamping (rated connection)

| | | | |
|---|--|---------|----------------------|
| Blade size | 0.4 x 2.0 mm | | |
| Clamping range, max. | 1.5 mm ² | | |
| Clamping range, min. | 0.05 mm ² | | |
| Connection direction | top | | |
| Gauge to IEC 60947-1 | B1 | | |
| Number of connections | 4 | | |
| Stripping length | 10 mm | | |
| Tube length for wire-end ferrule with plastic collar DIN 46228/4 | Cross-section for conductor connection | nominal | 0.5 mm ² |
| | | min. | 6 mm |
| | | max. | 10 mm |
| | Cross-section for conductor connection | nominal | 0.75 mm ² |
| | | min. | 6 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | nominal | 1 mm ² |
| | | min. | 6 mm |
| | | max. | 12 mm |

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Technical data

| | | | |
|---|--|---------|----------------------|
| Tube length for wire-end ferrule without plastic collar DIN 46228/1 | Cross-section for conductor connection | nominal | 0.5 mm ² |
| | Tube length | nominal | 10 mm |
| | Cross-section for conductor connection | nominal | 0.75 mm ² |
| | Tube length | nominal | 10 mm |
| | Cross-section for conductor connection | nominal | 1 mm ² |
| | Tube length | nominal | 10 mm |
| | Cross-section for conductor connection | nominal | 1.5 mm ² |
| | Tube length | min. | 10 mm |
| | | max. | 12 mm |
| Twin wire-end ferrules, max. | 0.75 mm ² | | |
| Twin wire-end ferrules, min. | 0.5 mm ² | | |
| Type of connection | Tension-clamp connection | | |
| Wire connection cross section AWG, max. | AWG 16 | | |
| Wire connection cross section AWG, min. | AWG 28 | | |
| Wire connection cross section, finely stranded, max. | 1.5 mm ² | | |
| Wire connection cross section, finely stranded, min. | 0.5 mm ² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 1.5 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. | 1.5 mm ² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm ² | | |
| Wire connection cross-section, solid core, max. | 1.5 mm ² | | |
| Wire connection cross-section, solid core, min. | 0.5 mm ² | | |

General

| | | | |
|---|--------|---|----------------------|
| Rail | TS 35 | Standards | IEC 60947-7-1 (-7-2) |
| Wire connection cross section AWG, max. | AWG 16 | Wire connection cross section AWG, min. | AWG 28 |

Rating data

| | | | |
|--|---------------------|---|----------------------|
| Rated cross-section | 1.5 mm ² | Rated voltage | 500 V |
| Rated voltage to adjoining terminal | 500 V | Rated current | 17.5 A |
| Current at maximum wires | 17.5 A | Standards | IEC 60947-7-1 (-7-2) |
| Volume resistance according to IEC 60947-7-x | 1.83 mΩ | Rated impulse withstand voltage | 6 kV |
| Rated impulse withstand voltage to adjacent terminal | 6 kV | Power loss in accordance with IEC 60947-7-x | 0.56 W |
| Pollution severity | 3 | | |

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Technical data**UL rating data**

| | | | |
|--|--------|--|--------|
| Certificate No. (cURus) | E60693 | Conductor size Factory wiring max. (cURus) | 16 AWG |
| Conductor size Factory wiring min. (cURus) | 28 AWG | Conductor size Field wiring max. (cURus) | 16 AWG |
| Conductor size Field wiring min. (cURus) | 28 AWG | Current size B (cURus) | 10 A |
| Current size D (cURus) | 10 A | Voltage size B (cURus) | 300 V |
| Voltage size D (cURus) | 300 V | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000897 | ETIM 7.0 | EC000897 |
| ETIM 8.0 | EC000897 | ECLASS 9.0 | 27-14-11-20 |
| ECLASS 9.1 | 27-14-11-20 | ECLASS 10.0 | 27-14-11-20 |
| ECLASS 11.0 | 27-14-11-20 | ECLASS 12.0 | 27-14-11-20 |

Approvals

Approvals



| | |
|-------------------------|------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (cURus) | E60693 |

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | EAC certificate Declaration of Conformity CE Declaration of Conformity all terminals UKCA declaration of conformity |
| Engineering Data | CAD data – STEP |
| Engineering Data | WSCAD, Zuken E3.S |
| User Documentation | StorageConditionsTerminalBlocks |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

Data sheet

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Drawings

