

ZDU 2.5-2/D+

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image



Why not integrating simple electrical functions into a feed through terminal. It has the same slim design of our feed-through terminal blocks - with additional functions such as cross-connections that can be used. Often, you only need a small component to integrate an external device into your automation technology. Our modular terminal blocks with electronic components make this possible; quickly, simply, and with a perfect fit.

General ordering data

| | |
|------------|--|
| Version | Z-series, Component terminal, Feed-through terminal, Rated cross-section: 2.5 mm ² , Tension-clamp connection, dark beige |
| Order No. | 1779110000 |
| Type | ZDU 2.5-2/D+ |
| GTIN (EAN) | 4032248184712 |
| Qty. | 20 Stück |

Erstellungs-Datum May 30, 2023 3:13:56 PM CEST

Katalogstand 26.05.2023 / Technische Änderungen vorbehalten

ZDU 2.5-2/D+

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Technische Daten

Dimensions and weights

| | | | |
|--------------------------|------------|----------------|------------|
| Depth | 43.5 mm | Depth (inches) | 1.713 inch |
| Depth including DIN rail | 44 mm | Height | 50.5 mm |
| Height (inches) | 1.988 inch | Width | 5.1 mm |
| Width (inches) | 0.201 inch | Net weight | 6 g |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature | -25 °C...55 °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 | Tension-clamp connection, with diode, for plug-in cross-connector. One end without connector | End cover plate required | Yes |
| Number of potentials | 1 | Number of levels | 1 |
| Number of clamping points per level | 2 | Number of potentials per tier | 1 |
| Levels cross-connected internally | No | PE connection | No |
| Rail | TS 35 | N-function | No |
| PE function | No | PEN function | No |

Additional technical data

| | | | |
|----------------------|-------|--------------------------|---------|
| Electronic component | Diode | Explosion-tested version | Yes |
| Open sides | right | Type of mounting | Snap-on |

CSA rating data

| | | | |
|-------------------------------|----------------|-------------------------------|--------|
| Certificate No. (CSA) | 200039-1194786 | Current size C (CSA) | 1 A |
| Voltage size C (CSA) | 600 V | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG | | |

Component

| | | |
|-----------------|-----------------|---------|
| Component diode | Type diode | 1N4007 |
| | Forward current | 1 A |
| | Reverse voltage | 1,300 V |
| | Forward voltage | 0.7 V |

Conductors for clamping (additional connection)

| | |
|---|---------------------|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 1.5 mm ² |
|---|---------------------|

ZDU 2.5-2/D+

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Technische Daten

Conductors for clamping (rated connection)

| | | | |
|---|----------------------|---|--------------------------|
| Blade size | 0.6 x 3.5 mm | Clamping range, max. | 2.5 mm ² |
| Clamping range, min. | 0.05 mm ² | Connection direction | top |
| Gauge to IEC 60947-1 | A2 | Number of connections | 2 |
| Stripping length | 10 mm | Type of connection | Tension-clamp connection |
| Wire connection cross section AWG, max. | AWG 14 | Wire connection cross section AWG, min. | AWG 20 |
| Wire connection cross section, finely stranded, max. | 2.5 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. | 1.5 mm ² |
| Wire connection cross-section, solid core, max. | 2.5 mm ² | Wire connection cross-section, solid core, min. | 0.5 mm ² |

General

| | | | |
|---|--------|---|---------------|
| Rail | TS 35 | Standards | IEC 60947-7-1 |
| Wire connection cross section AWG, max. | AWG 14 | Wire connection cross section AWG, min. | AWG 20 |

Rating data

| | | | |
|---------------------------------|---------------------|--|---------|
| Rated cross-section | 2.5 mm ² | Rated voltage | 400 V |
| Rated current | 0.5 A | Current at maximum wires | 0.5 A |
| Standards | IEC 60947-7-1 | Volume resistance according to IEC 60947-7-x | 1.33 mΩ |
| Rated impulse withstand voltage | 6 kV | Power loss in accordance with IEC 60947-7-x | 0.77 W |
| Pollution severity | 3 | | |

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) | 26 AWG | Current size C (UR) | 1 A |
| Voltage size C (UR) | 600 V | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000903 | ETIM 7.0 | EC000903 |
| ETIM 8.0 | EC000903 | ECLASS 9.0 | 27-14-11-27 |
| ECLASS 9.1 | 27-14-11-47 | ECLASS 10.0 | 27-14-11-27 |
| ECLASS 11.0 | 27-14-11-27 | ECLASS 12.0 | 27-14-11-27 |

Environmental Product Compliance

| | |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | c6099607-b1cd-4fc8-8f5b-8c2defa73093 |

Important note

| | |
|---------------------|---|
| Product information | The allowed continuous operating temperature must be observed |
|---------------------|---|

ZDU 2.5-2/D+

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technische Daten

Approvals

Approvals



| | |
|-----------------------|------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (UR) | 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, EPLAN |
| User Documentation | StorageConditionsTerminalBlocks |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

