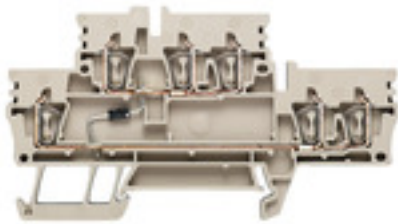


**ZDK 2.5/3AN D2****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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, Double-tier terminal, Rated cross-section: 4 mm <sup>2</sup> , Tension-clamp connection, dark beige |
| Order No.           | <a href="#">1924450000</a>  |
| Type                | ZDK 2.5/3AN D2  |
| GTIN (EAN)          | 4032248563883   |
| Qty.                | 50 pc(s).   |
| Delivery status     | <b>This article will no longer be available in the future.</b>  |
| Available until     | 2024-12-31  |
| Alternative product | <a href="#">1690020000</a>  |

Creation date July 5, 2024 3:01:34 AM CEST

Catalogue status 29.06.2024 / We reserve the right to make technical changes.

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

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 50.5 mm    | Depth (inches) | 1.988 inch |
| Depth including DIN rail | 51.5 mm    | Height         | 93 mm      |
| Height (inches)          | 3.661 inch | Width          | 5.1 mm     |
| Width (inches)           | 0.201 inch | Net weight     | 15.6 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              | 2   |
| Number of clamping points per level | 3  | Number of potentials per tier | 1   |
| Levels cross-connected internally   | Yes  | 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)         | 200039-1842498 | Current size B (CSA)          | 24 A   |
| Current size C (CSA)          | 24 A           | Voltage size B (CSA)          | 300 V  |
| Voltage size C (CSA)          | 300 V          | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 30 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. | 2.5 mm <sup>2</sup> |
|---|---------------------|

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## Technical data

## 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> | Connection cross-section, stranded, max.  | 2.5 mm <sup>2</sup>      |
| Connection cross-section, stranded, min.  | 1.5 mm <sup>2</sup>  | Connection direction  | top                      |
| Gauge to IEC 60947-1  | A2                   | Number of connections   | 6                        |
| Stripping length  | 10 mm                | Type of connection  | Tension-clamp connection |
| Wire connection cross section AWG, max.   | AWG 12               | Wire connection cross section AWG, min.   | AWG 30                   |
| Wire connection cross section, finely stranded, max.                                    | 2.5 mm <sup>2</sup>  | Wire connection cross section, finely stranded, min.                                    | 0.5 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. | 0.21 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, solid core, max.   | 4 mm <sup>2</sup>        |
| Wire connection cross-section, solid core, min.   | 0.5 mm <sup>2</sup>  |   |                          |

## General

|   |        |   |               |
|---|--------|---|---------------|
| Rail                                    | TS 35  | Standards                               | IEC 60947-7-1 |
| Wire connection cross section AWG, max. | AWG 12 | Wire connection cross section AWG, min. | AWG 30        |

## Rating data

|  |                   |                                 |               |
|--|-------------------|---------------------------------|---------------|
| Rated cross-section                          | 4 mm <sup>2</sup> | Rated voltage                   | 500 V         |
| Rated DC voltage                             | 500 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 mΩ              | Rated impulse withstand voltage | 6 kV          |
| Power loss in accordance with IEC 60947-7-x  | 1.02 W            | Pollution severity              | 3             |

## UL rating data

|  |        |  |        |
|--|--------|--|--------|
| Certificate No. (cURus)                    | E60693 | Conductor size Factory wiring max. (cURus) | 12 AWG |
| Conductor size Factory wiring min. (cURus) | 30 AWG | Conductor size Field wiring max. (cURus)   | 12 AWG |
| Conductor size Field wiring min. (cURus)   | 30 AWG | Current size B (cURus)                     | 20 A   |
| Current size C (cURus)                     | 20 A   | Voltage size B (cURus)                     | 300 V  |
| Voltage size C (cURus)                     | 300 V  |  |        |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000903    | ETIM 7.0    | EC000903    |
| ETIM 8.0    | EC000903    | ETIM 9.0    | 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 | ECLASS 13.0 | 27-25-01-14 |

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## Technical data

## 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 |
|---------------------|---|

## Approvals

Approvals



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

## Downloads

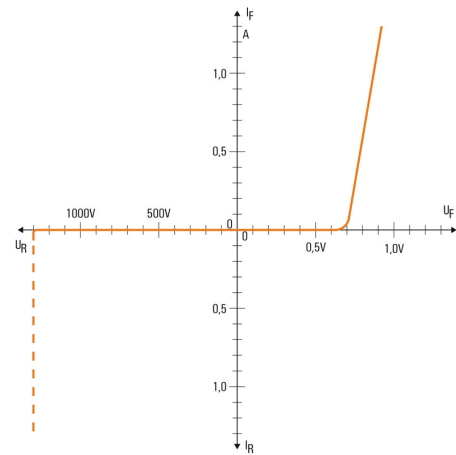
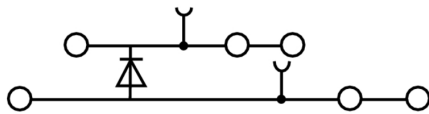
|   |   |
|---|---|
| Approval/Certificate/Document of Conformity | <a href="#">Declaration of Conformity</a><br><a href="#">UKCA declaration of conformity</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>   |
| User Documentation                          | <a href="#">StorageConditionsTerminalBlocks</a><br><a href="#">User Manual Z-Series</a>     |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>  |
| Brochures                                   |   |

## ZDK 2.5/3AN D2

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# Drawings



## ZDK 2.5/3AN D2

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## Accessories

## Slotted screwdriver



VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900. IEC 900. Each piece is "GS" safety tested. Blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.

## General ordering data

| Type       | SDIS SLIM 0.6X3.5X100      | Version   |
|------------|----------------------------|---|
| Order No.  | <a href="#">2749610000</a> | Mounting tool, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade |
| GTIN (EAN) | 4050118896350              | thickness (A): 0.6 mm   |
| Qty.       | 1 pc(s).                   |   |

## Marker holder



The marker holder offer the possibility of additional mounting of standard markers with a pitch of 5 or 5.1 mm. The angled holders can be optionally snapped together and could be mounted in all standard marking channels of the Klippon® Connect modular terminal blocks. Fitting marker types could be found under the respective accessories of the designation marking holder.

## General ordering data

| Type       | BZT 1 WS 10/5              | Version                    |
|------------|----------------------------|----------------------------|
| Order No.  | <a href="#">1805490000</a> | Accessories, Marker holder |
| GTIN (EAN) | 4032248270231              |                            |
| Qty.       | 100 pc(s).                 |                            |

| Type       | BZT 1 ZA WS 10/5           | Version                    |
|------------|----------------------------|----------------------------|
| Order No.  | <a href="#">1805520000</a> | Accessories, Marker holder |
| GTIN (EAN) | 4032248270248              |                            |
| Qty.       | 100 pc(s).                 |                            |