

**ZDU 6-2/D+****Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26  
D-32758 Detmold  
Germany

www.weidmueller.com

**Product image**

Fuse terminal blocks and component terminal blocks allow protective and functional elements to be integrated directly into the terminal strip. Fuse terminal blocks include built-in fuse holders to reliably protect electrical circuits against overload –ideal for control and distribution systems. Component terminal blocks make it possible to incorporate electronic components such as diodes, resistors, or LEDs directly into the wiring. This enables space-saving and clearly arranged implementation of switching functions and signal separation. Both types of terminal blocks ensure higher safety, easy maintenance, and a compact, function-oriented installation.

**General ordering data**

|            |  |
|------------|--|
| Version    | Z-series, Component terminal, Feed-through terminal, Rated cross-section: 6 mm <sup>2</sup> , Tension-clamp connection |
| Order No.  | <a href="#">1121120000</a>   |
| Type       | ZDU 6-2/D+   |
| GTIN (EAN) | 4032248902224  |
| Qty.       | 20 items   |

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## Technical data

## Approvals

Approvals



ROHS Conform

## Dimensions and weights

|            |         |                 |             |
|------------|---------|-----------------|-------------|
| Depth      | 57 mm   | Depth (inches)  | 2.2441 inch |
| Height     | 70 mm   | Height (inches) | 2.7559 inch |
| Width      | 8.1 mm  | Width (inches)  | 0.3189 inch |
| Net weight | 19.93 g |                 |             |

## Temperatures

|                                  |                |                                  |                |
|----------------------------------|----------------|----------------------------------|----------------|
| Storage temperature              | -25 °C...55 °C | Ambient temperature              | -50 °C...75 °C |
| Continuous operating temp., min. | -50 °C         | Continuous operating temp., max. | 120 °C         |

## Environmental Product Compliance

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 7a                                   |
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | c6099607-b1cd-4fc8-8f5b-8c2defa73093 |

## Material data

|                           |       |        |                |
|---------------------------|-------|--------|----------------|
| Basic material            | Wemid | Colour | graphite black |
| 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  |
| Mounting rail                       | TS 35  | N-function                    | No  |
| PE function                         | No   | PEN function                  | No  |

## Additional technical data

|                  |         |                          |       |
|------------------|---------|--------------------------|-------|
| Open sides       | right   | Explosion-tested version | No    |
| Type of mounting | Snap-on | Electronic component     | Diode |

## Conductors for clamping (rated connection)

|   |                          |                       |                          |
|---|--------------------------|-----------------------|--------------------------|
| Wire connection cross section AWG, max. | AWG 8                    | Connection direction  | Inclined / angled        |
| Stripping length                        | 13 mm                    | Type of connection 2  | Tension-clamp connection |
| Type of connection                      | Tension-clamp connection | Number of connections | 2                        |
| Clamping range, max.                    | 10 mm <sup>2</sup>       | Clamping range, min.  | 0.5 mm <sup>2</sup>      |

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## Technical data

|   |                     |   |                     |
|---|---------------------|---|---------------------|
| Blade size  | 0.6 x 3.5 mm        | Wire connection cross section AWG, min.   | AWG 22              |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 6 mm <sup>2</sup>   |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm <sup>2</sup> | Wire connection cross section, finely stranded, max.                                    | 10 mm <sup>2</sup>  |
| Wire connection cross section, finely stranded, min.                                    | 0.5 mm <sup>2</sup> | Connection cross-section, stranded, max.  | 6 mm <sup>2</sup>   |
| Connection cross-section, stranded, min.  | 0.5 mm <sup>2</sup> | Wire connection cross-section, solid core, max.   | 10 mm <sup>2</sup>  |
| Wire connection cross-section, solid core, min.   | 0.5 mm <sup>2</sup> | Connection cross-section, finely stranded, min.   | 0.5 mm <sup>2</sup> |

### General

|   |               |   |        |
|---|---------------|---|--------|
| Wire connection cross section AWG, max. | AWG 8         | Wire connection cross section AWG, min. | AWG 22 |
| Standards                               | IEC 60947-7-1 | Mounting rail                           | TS 35  |

### Rating data

|  |                   |   |               |
|--|-------------------|---|---------------|
| Rated cross-section                          | 6 mm <sup>2</sup> | Rated voltage                               | 1000 V        |
| Rated DC voltage                             | 1000 V            | Nominal current                             | 5 A           |
| Current at maximum wires                     | 5 A               | Standards                                   | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 0.78 mΩ           | Power loss in accordance with IEC 60947-7-x | 1.31 W        |

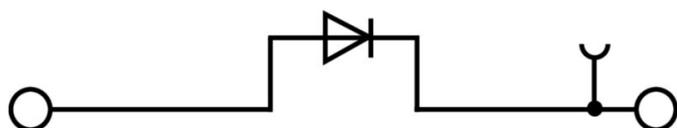
### Important note

Product information      The allowed continuous operating temperature must be observed

### Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC000903    | ETIM 9.0    | EC000903    |
| ETIM 10.0   | EC000903    | ECLASS 14.0 | 27-25-01-14 |
| ECLASS 15.0 | 27-25-01-14 |             |             |

**Drawings**



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## Accessories

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

## End plates and partition plates



Partition plates and end plates are essential accessories for terminal blocks. Partition plates provide optical and electrical separation of different potentials and functional groups, increasing safety and ensuring a clear structure inside the control cabinet. End plates close the terminal block row on the sides, protect against contact with live parts, and ensure a clean, stable finish. Both components are precisely matched to the respective Weidmüller terminal block series, contributing to safe, compliant, and professional wiring.

## General ordering data

|            |                            |                     |  |
|------------|----------------------------|---------------------|--|
| Type       | ZAP ZDU6-2 SW              | Version             |  |
| Order No.  | <a href="#">1814710000</a> | Z-series, End plate |  |
| GTIN (EAN) | 4032248359417              |                     |  |
| Qty.       | 50 ST                      |                     |  |

## Slotted screwdriver



Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

## Accessories

### General ordering data

|            |                            |   |  |
|------------|----------------------------|---|--|
| Type       | SDS 1.0X5.5X150            | Version   |  |
| Order No.  | <a href="#">2749380000</a> | Screwdriver, Blade width (B): 5.5 mm, Blade length: 150 mm, Blade |  |
| GTIN (EAN) | 4050118895605              | thickness (A): 1 mm   |  |
| Qty.       | 1 ST                       |   |  |