

**Z terminal with tension spring connection
ZDUA 2.5-2 BL**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com



This range of small terminals with tension clamp connections enables the building of individual blocks with 2- and 4-pole terminals. Individual blocks are made up from the middle terminals plus end plates on the open sides. For a screw fixing, the first middle terminal plus the end plate are replaced by end terminals for the fixing. For the other types of fixing, middle terminals with a fixing option are included in the block or a mounting foot (MOFU) is fitted for attaching to the terminal rail.

General ordering data

| | |
|------------|--|
| Type | ZDUA 2.5-2 BL |
| Order No. | 1720930000 |
| Version | Z terminal with tension spring connection, Feed-through terminal, Rated cross-section: 2.5 mm ² , Tension clamp connection, Wemid, Blue |
| GTIN (EAN) | 4008190376796 |
| Qty. | 100 pc(s). |

Z terminal with tension spring connection ZDUA 2.5-2 BL

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Technical data

Dimensions and weights

| | | | |
|------------|-------|--------------------------|---------|
| Length | 35 mm | Width | 5.1 mm |
| Height | 30 mm | Height of lowest version | 30.5 mm |
| Net weight | 3.6 g | | |

Temperatures

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

Rated data IECEx/ATEX

| | | | |
|---------------------------|--------------------------|--------------------------------|---|
| Certificate No. (ATEX) | KEMA97ATEX4678U | ATEX certificate | KEMA97ATEX4678U_d.pdf |
| ATEX certificate | KEMA97ATEX4678U_e.pdf | Max. voltage (ATEX) | 275 V |
| Current (ATEX) | 20 A | Wire cross section max. (ATEX) | 2.5 mm ² |
| Voltage, cross-connection | | Operating temperature range | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity |
| | CrossConnectionGuide.pdf | | |
| Marking EN 60079-7 | Ex e II | Marking ATEX Directive 94/9/EC | II 2 G D |

Additional technical data

| | | | |
|--------------------------|---------|------------|--|
| Explosion-tested version | Yes | Open sides | right |
| Type of mounting | | Version | Tension-clamp connection, for plug-in cross-connector, One end without connector |
| | Snap-on | | |

CSA ratings data

| | | | |
|-------------------------------|-----------------|-------------------------------|--------|
| Certificate No. (CSA) | 200039-1 152892 | Voltage size B (CSA) | 600 V |
| Current size B (CSA) | 20 A | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG | | |

Clampable wires (additional connection)

| | | | |
|---|---------------------|---|---------------------|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, min. | 0.5 mm ² | Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 2.5 mm ² |
|---|---------------------|---|---------------------|

Clampable wires (rated connection)

| | | | |
|---|--------------------------|---|----------------------|
| Type of connection | Tension clamp connection | Stripping length | 10 mm |
| Blade size | 0.6 x 3.5 mm | Connection direction | top |
| Number of connections | 2 | Clamping range, rated connection, min. | 0.13 mm ² |
| Clamping range, rated connection, max. | 4 mm ² | Gauge to IEC 60947-1 | A2 |
| Wire connection cross section, solid core, max. rated connection | 0.5 mm ² | Wire connection cross section, solid core max. rated connection | 4 mm ² |
| 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, rated connection, min. | 0.5 mm ² | Wire connection cross section, finely stranded with wire-end ferrules DIN 46228/1, rated connection, max. | 1.5 mm ² |
| Wire connection cross section AWG, min. | AWG 26 | Wire connection cross section AWG, max. | AWG 12 |

**Z terminal with tension spring connection
ZDUA 2.5-2 BL**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Technical data
Dimensions

| | |
|--------------|---------|
| TS 15 offset | 17.5 mm |
|--------------|---------|

Rated data

| | | | |
|---------------------------------|---------------------|---------------|---------------|
| Rated cross-section | 2.5 mm ² | Rated voltage | 500 V |
| Rated impulse withstand voltage | 6 kV | Rated current | 24 A |
| Current at maximum wires | 30 A | Standards | IEC 60947-7-1 |
| Pollution severity | 3 | | |

UL ratings data

| | | | |
|---|--------|---|--------|
| Certificate No. (UR) | E60693 | Voltage size C (UR) | 600 V |
| Current size C (UR) | 20 A | Conductor size Factory wiring max. (UR) | 12 AWG |
| Conductor size Factory wiring min. (UR) | 26 AWG | Conductor size Field wiring max. (UR) | 12 AWG |

Material data

| | | | |
|---------------------|-------|---------------------------|-------|
| Insulating material | Wemid | Material | Wemid |
| Colour | Blue | UL 94 flammability rating | V-0 |

System specifications

| | | | |
|-----------------------------------|---|----------------------------------|--------------------------|
| Product family | Z terminal with tension spring connection | Type of connection | Tension clamp connection |
| Connection direction | top | Number of levels | 1 |
| Number of connections | 2 | No. of clamping points per level | 2 |
| Levels cross-connected internally | No | Mounting rail | TS 15 |
| End cover plate required | Yes | | |

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 3.0 | EC000897 | UNSPSC | 30-21-18-11 |
| eClass 5.1 | 27-14-11-20 | eClass 6.2 | 27-14-11-20 |
| eClass 7.1 | 27-14-11-20 | | |

Product information

| | |
|---------------------------------|-----------------------------|
| Descriptive text technical data | TS 15 - sliced construction |
|---------------------------------|-----------------------------|

Approvals

Approvals



| | |
|------|---------|
| ROHS | Conform |
|------|---------|

**Z terminal with tension spring connection
ZDUA 2.5-2 BL**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Accessories
Slotted screwdriver

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


General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. |
|--------------------|----------------------------|--|---------------|----------|
| SDS 0.6X3.5X100 | 9008330000 | Screwdriver, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade thickness (A): 0.6 mm | 4032248056286 | 1 pc(s). |

ZAP/TW ZDUA


Weidmüller offers users of modular terminals of the Z-Series a comprehensive range of accessories that render possible appropriate solutions for all - even non-standard - tasks. The accessories must comply with the same quality standards as the modular terminals themselves.

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. |
|-------------------|----------------------------|---|---------------|-----------|
| ZAP/TW ZDUA | 1720960000 | Z-series, End plate, Partition plate | 4008190376550 | 50 pc(s). |
| ZAP/TW ZDUA BL | 1720970000 | Z-series, End plate, Partition plate | 4008190376567 | 50 pc(s). |
| ZAP/TW ZDUA OR | 1720980000 | Z-series, End plate, Partition plate | 4008190376574 | 50 pc(s). |

**Z terminal with tension spring connection
ZDUA 2.5-2 BL**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Accessories**ZQV 2.5N**

Weidmüller offers users of modular terminals of the Z-Series a comprehensive range of accessories that render possible appropriate solutions for all - even non-standard - tasks.

The accessories must comply with the same quality standards as the modular terminals themselves.

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. |
|-------------------|----------------------------|---|---------------|-----------|
| ZQV 2.5N/6 GE | 1693840000 | Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 6 | 4008190883676 | 20 pc(s). |
| ZQV 2.5N/2 GE | 1693800000 | Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 2 | 4008190883621 | 60 pc(s). |
| ZQV 2.5N/3 GE | 1693810000 | Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 3 | 4008190883645 | 60 pc(s). |
| ZQV 2.5N/4 GE | 1693820000 | Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 4 | 4008190883652 | 60 pc(s). |
| ZQV 2.5N/9 GE | 1693870000 | Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 9 | 4008190883706 | 20 pc(s). |
| ZQV 2.5N/20 GE | 1909000000 | Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 20 | 4032248535613 | 20 pc(s). |
| ZQV 2.5N/50 GE | 1693890000 | Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 50 | 4008190883737 | 5 pc(s). |
| ZQV 2.5N/10 GE | 1693880000 | Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 10 | 4008190883720 | 20 pc(s). |
| ZQV 2.5N/7 GE | 1693850000 | Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 7 | 4008190883683 | 20 pc(s). |
| ZQV 2.5N/8 GE | 1693860000 | Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 8 | 4008190883690 | 20 pc(s). |
| ZQV 2.5N/5 GE | 1693830000 | Z-series, Accessories, Cross-connector, For the terminals, No. of poles: 5 | 4008190883669 | 20 pc(s). |

**Z terminal with tension spring connection
ZDUA 2.5-2 BL**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Accessories
Custom printing


The dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a large range of ready-printed markers.

Strips for fast installation in one work step. The printing is easy to read, rich in contrast, and is available in five widths.

- Large range of ready-to-use markers
- Strips for fast installation
- Connector markers, suitable for all Weidmüller cable connectors
- Available as blank cards, MultiCard or as cards with standard printing

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. |
|-------------------|----------------------------|---|---------------|------------|
| DEK 5/5 MC SDR | 1609810000 | Terminal markers, MultiCard, 5 x 5 mm, Polyamide 66, Colour: To customer specification | 4008190456597 | 200 pc(s). |

for TS 15 terminal rail


Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

| Type | Order No. | Version | GTIN (EAN) | Qty. |
|-------------|----------------------------|--------------------------|---------------|-----------|
| ZEW 15 | 7920340000 | Accessories, End bracket | 4032248238910 | 20 pc(s). |
| EW 15 | 0382860000 | Accessories, End bracket | 4008190187804 | 50 pc(s). |
| EW 15/2 | 1071900000 | Accessories, End bracket | 4008190462949 | 50 pc(s). |
| EWK AKA 2.5 | 0348660000 | Accessories, End bracket | 4008190134419 | 50 pc(s). |