

ZPEA 2.5-2**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

Thanks to their compact design, Mini rail-mounted terminal blocks are ideal for working in confined spaces such as small housings and terminal boxes.

General ordering data

| | |
|------------|--|
| Version | Z-series, PE terminal, Rated cross-section: 2.5 mm ² , Tension-clamp connection, Green/yellow |
| Order No. | 1720950000 |
| Type | ZPEA 2.5-2 |
| GTIN (EAN) | 4008190376819 |
| Qty. | 100 items |

ZPEA 2.5-2

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

www.weidmueller.com

Technical data

Approvals

Approvals



| | |
|---------------------------|----------------------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (cURus) | E60693 |
| Certificate No. (cURusEX) | E184763 |

Dimensions and weights

| | | | |
|--------------------------|-------------|----------------|-------------|
| Depth | 30 mm | Depth (inches) | 1.1811 inch |
| Depth including DIN rail | 30.5 mm | Height | 35 mm |
| Height (inches) | 1.378 inch | Width | 5.1 mm |
| Width (inches) | 0.2008 inch | Net weight | 4.68 g |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|----------------|
| Storage temperature | -25 °C...55 °C | Ambient temperature | -60 °C...85 °C |
| Continuous operating temp., min. | -60 °C | Continuous operating temp., max. | 130 °C |

Environmental Product Compliance

| | |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC | No SVHC above 0.1 wt% |

Material data

| | | | |
|---------------------------|-------|--------|--------------|
| Basic material | Wemid | Colour | Green/yellow |
| UL 94 flammability rating | V-0 | | |

Rating data IECEX/ATEX

| | | | |
|--------------------------------|-------------------|---------------------------------|-------------------|
| Certificate No. (ATEX) | DEMKO16ATEX1808U | Certificate No. (IECEX) | IECEXULD16.0036U |
| Wire cross section max. (ATEX) | 4 mm ² | Wire cross section max. (IECEX) | 4 mm ² |
| Marking EN 60079-7 | Ex eb II C Gb | Ex 2014/34/EU label | II 2 G D |

System specifications

| | | | |
|-------------------------------------|---|-------------------------------|-----|
| Version | Tension-clamp connection, With PE connection, 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 15 | N-function | No |
| PE function | Yes | PEN function | No |

ZPEA 2.5-2

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

www.weidmueller.com

Technical data

Additional technical data

| | | | |
|--------------------------|-------|-----------------------------|---------|
| Open sides | right | Number of similar terminals | 1 |
| Explosion-tested version | Yes | Type of mounting | Snap-on |

CSA rating data

| | | | |
|-------------------------------|--------|-----------------------|----------------|
| Wire cross section max. (CSA) | 12 AWG | Certificate No. (CSA) | 200039-1152892 |
| Wire cross section min. (CSA) | 26 AWG | | |

Conductors for clamping (additional connection)

| | |
|--|--------------------------|
| Connection type, additional connection | Tension-clamp connection |
|--|--------------------------|

Conductors for clamping (rated connection)

| | | | |
|---|--|-------------|----------------------|
| Gauge to IEC 60947-1 | A2 | | |
| Wire connection cross section AWG, max. | AWG 12 | | |
| Connection direction | on side | | |
| Stripping length | 10 mm | | |
| Type of connection | Tension-clamp connection | | |
| Number of connections | 2 | | |
| Clamping range, max. | 4 mm ² | | |
| Clamping range, min. | 0.13 mm ² | | |
| Blade size | 0.6 x 3.5 mm | | |
| Wire connection cross section AWG, min. | AWG 26 | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm ² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.13 mm ² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 mm ² | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.13 mm ² | | |
| Wire connection cross section, finely stranded, max. | 2.5 mm ² | | |
| Wire connection cross section, finely stranded, min. | 0.13 mm ² | | |
| Connection cross-section, stranded, max. | 2.5 mm ² | | |
| Connection cross-section, stranded, min. | 0.13 mm ² | | |
| Wire connection cross-section, solid core, max. | 2.5 mm ² | | |
| Wire connection cross-section, solid core, min. | 0.13 mm ² | | |
| Connection cross-section, finely stranded, min. | 0.13 mm ² | | |
| Tube length for wire-end ferrule with plastic collar DIN 46228/4 | Tube length | min. | 6 mm |
| | | max. | 10 mm |
| | Cross-section for conductor connection | nominal | 0.5 mm ² |
| | | Tube length | min. |
| | | max. | 10 mm |
| | Cross-section for conductor connection | nominal | 0.75 mm ² |
| | | Tube length | min. |

ZPEA 2.5-2

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

| | | | |
|---|--|---------------------|----------------------|
| Tube length for wire-end ferrule without plastic collar DIN 46228/1 | | max. | 10 mm |
| | Cross-section for conductor connection | nominal | 1 mm ² |
| | Tube length | min. | 8 mm |
| | | max. | 10 mm |
| | Cross-section for conductor connection | nominal | 1.5 mm ² |
| | Tube length | nominal | 8 mm |
| | Cross-section for conductor connection | nominal | 2.5 mm ² |
| | Tube length | nominal | 10 mm |
| | 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 | nominal | 10 mm | |
| Cross-section for conductor connection | nominal | 2.5 mm ² | |

Dimensions

| | | | |
|--------------|---------|--------------|---------|
| TS 15 offset | 17.5 mm | TS 32 offset | 34.5 mm |
| TS 35 offset | 34.5 mm | | |

General

| | | | |
|---|---------------|---|--------|
| Wire connection cross section AWG, max. | AWG 12 | Wire connection cross section AWG, min. | AWG 26 |
| Standards | IEC 60947-7-2 | Mounting rail | TS 15 |

Rating data

| | | | |
|--|---------------------|---|---------------|
| Rated cross-section | 2.5 mm ² | Rated voltage to adjoining terminal | 500 V |
| Rated DC voltage | 500 V | Standards | IEC 60947-7-2 |
| Volume resistance according to IEC 60947-7-x | 1.33 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 | 0.77 W |
| Pollution severity | 3 | | |

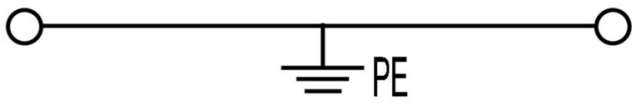
UL rating data

| | |
|-------------------------|--------|
| Certificate No. (cURus) | E60693 |
|-------------------------|--------|

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC000901 | ETIM 9.0 | EC000901 |
| ETIM 10.0 | EC000901 | ECLASS 14.0 | 27-25-01-03 |
| ECLASS 15.0 | 27-25-01-03 | | |

Drawings



ZPEA 2.5-2

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

www.weidmueller.com

Accessories

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

End bracket



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 | ZEW 15 | Version |
| Order No. | 7920340000 | End bracket, beige, TS 15, V-2, Plastic, Width: 5 mm, 120 °C |
| GTIN (EAN) | 4032248238910 | |
| Qty. | 20 ST | |

ZPEA 2.5-2

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

Accessories

www.weidmueller.com

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 wide range of ready-printed markers.

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

- Large range of ready-to-use markers
 - Strips for fast installation
 - Terminal markers, suitable for all Weidmüller cable connectors
 - Available as blank MultiCard or with standard printing
- For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

| | | | |
|------------|----------------------------|---------|---|
| Type | DEK 5/5 MC SDR | Version | |
| Order No. | 1609810000 | | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190456597 | | Weidmueller, To customer specification |
| Qty. | 200 ST | | |

Blank



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 wide range of ready-printed markers.

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

- Large range of ready-to-use markers
 - Strips for fast installation
 - Terminal markers, suitable for all Weidmüller cable connectors
 - Available as blank MultiCard or with standard printing
- For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

| | | | |
|------------|----------------------------|---------|---|
| Type | DEK 5/5 MC NE WS | Version | |
| Order No. | 1609801044 | | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190397111 | | Weidmueller, white |
| Qty. | 1000 ST | | |
| Type | WS 10/15 MC NE WS | Version | |
| Order No. | 1854090000 | | WS, Terminal marker, 10 x 15 mm, Pitch in mm (P): 15.00 |
| GTIN (EAN) | 4032248390694 | | Weidmueller, Allen-Bradley, white |
| Qty. | 240 ST | | |

ZPEA 2.5-2

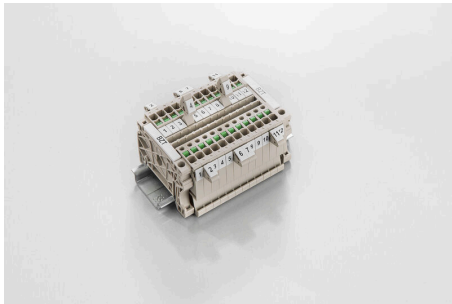
Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Accessories

| | | |
|------------|----------------------------|--|
| Type | WS 10/5 M MC NE WS | Version |
| Order No. | 1792000000 | WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, |
| GTIN (EAN) | 4032248223862 | Allen-Bradley, white |
| Qty. | 720 ST | |
| Type | WS 10/5 MC NE WS | Version |
| Order No. | 1635000000 | WS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, |
| GTIN (EAN) | 4008190261948 | Allen-Bradley, white |
| Qty. | 720 ST | |
| Type | ZS 10/5 MC NE WS | Version |
| Order No. | 1610000000 | ZS, Terminal marker, 10 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, |
| GTIN (EAN) | 4008190263171 | Allen-Bradley, white |
| Qty. | 480 ST | |

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. | 1805490000 | Accessories, Marker holder |
| GTIN (EAN) | 4032248270231 | |
| Qty. | 100 ST | |
| Type | BZT 1 ZA WS 10/5 | Version |
| Order No. | 1805520000 | Accessories, Marker holder |
| GTIN (EAN) | 4032248270248 | |
| Qty. | 100 ST | |

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. | 2749610000 | Mounting tool, Blade width (B): 3.5 mm, Blade length: 100 mm, Blade |
| GTIN (EAN) | 4050118896350 | thickness (A): 0.6 mm |
| Qty. | 1 ST | |