

ZTPE 2.5/4AN/4**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

Some applications demand for a pluggable, modular solution to be more flexible or to facilitate the installation. Where complete functional units have to be prefabricated or replaced, modular and flexible connection systems are required. Our pluggable terminal blocks can be quickly assembled and are completely factory tested.

General ordering data

| | |
|------------|---|
| Version | Z-series, PE terminal, Rated cross-section: 2.5 mm ² , pluggable, Green/yellow |
| Order No. | 1815140000 |
| Type | ZTPE 2.5/4AN/4 |
| GTIN (EAN) | 4032248370054 |
| Qty. | 50 pc(s). |

ZTPE 2.5/4AN/4**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data**Dimensions and weights**

| | | | |
|--------------------------|------------|----------------|------------|
| Depth | 34.5 mm | Depth (inches) | 1.358 inch |
| Depth including DIN rail | 35 mm | Height | 85.5 mm |
| Height (inches) | 3.366 inch | Width | 5.1 mm |
| Width (inches) | 0.201 inch | Net weight | 12.42 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 | Green/yellow |
| UL 94 flammability rating | V-0 | | |

System specifications

| | | | |
|-----------------------------------|--|-------------------------------------|-----|
| Version | 4 plug-in connections, pluggable, With PE connection | End cover plate required | Yes |
| Number of levels | 1 | Number of clamping points per level | 4 |
| Levels cross-connected internally | No | PE connection | Yes |
| Rail | TS 35 | PEN function | No |

Additional technical data

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

CSA rating data

| | | | |
|-----------------------------------|----------------|-----------------------------------|--------|
| Certificate number (cCSAus) | 154685-1460993 | Current size C (cCSAus) | 20 A |
| Current size D (cCSAus) | 5 A | Voltage size C (cCSAus) | 300 V |
| Voltage size D (cCSAus) | 600 V | Wire cross section max. (cCSAusX) | 12 AWG |
| Wire cross section min. (cCSAusX) | 26 AWG | | |

Conductors for clamping (additional connection)

| | | | |
|---|---------------------|--|--------------------|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 2.5 mm ² | Connection type, additional connection | Plug-in connection |
|---|---------------------|--|--------------------|

ZTPE 2.5/4AN/4**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data**Conductors for clamping (rated connection)**

| | | | |
|---|----------------------|---|---------------------|
| Blade size | 0.6 x 3.5 mm | Clamping range, max. | 4 mm ² |
| Clamping range, min. | 0.13 mm ² | Connection direction | top |
| Gauge to IEC 60947-1 | A2 | Number of connections | 4 |
| Stripping length | 10 mm | Type of connection | pluggable |
| Wire connection cross section AWG, max. | AWG 26 | Wire connection cross section AWG, min. | AWG 12 |
| Wire connection cross section, finely stranded, max. | 4 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. | 2.5 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. | 2.5 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm ² |
| Wire connection cross-section, solid core, max. | 4 mm ² | Wire connection cross-section, solid core, min. | 0.5 mm ² |

General

| | | | |
|---|--------|---|----------------------------------|
| Rail | TS 35 | Standards | In accordance with IEC 60947-7-2 |
| Wire connection cross section AWG, max. | AWG 26 | Wire connection cross section AWG, min. | AWG 12 |

Rating data

| | | | |
|--|---------------------|--|----------------------------------|
| Rated cross-section | 2.5 mm ² | Rated voltage | 500 V |
| Rated voltage to adjoining terminal | 500 V | Max. voltage of clamp support & pluggable system | 690 V |
| Rated DC voltage | 500 V | Standards | In accordance with IEC 60947-7-2 |
| Volume resistance according to IEC 60947-7-x | 1.33 mΩ | 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 | Conductor size Factory wiring max. (cURus) | 12 AWG |
| Conductor size Factory wiring min. (cURus) | 26 AWG | Conductor size Field wiring max. (cURus) | 12 AWG |
| Conductor size Field wiring min. (cURus) | 26 AWG | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 7.0 | EC000897 | ETIM 8.0 | EC000897 |
| ETIM 9.0 | EC000897 | ECLASS 11.0 | 27-14-11-20 |
| ECLASS 12.0 | 27-14-11-20 | ECLASS 13.0 | 27-25-01-17 |
| ECLASS 14.0 | 27-25-01-17 | | |

Environmental Product Compliance

| | |
|------------------------|-----------------------------|
| REACH SVHC | / |
| RoHS Compliance Status | Compliant without exemption |

ZTPE 2.5/4AN/4**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 |

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | DNVGL certificate CB Testreport CB Certificate Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10 |
| Engineering Data | CAD data – STEP |
| Product Change Notification | PCN_ZPE_Q2_2021 - EN PCN_ZPE_Q2_2021 - DE Product Change Notification ZPE Q1/2022 DE Product Change Notification Q1/2022 EN |
| User Documentation | StorageConditionsTerminalBlocks |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

ZTPE 2.5/4AN/4

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

www.weidmueller.com

Drawings

ZTPE 2.5/4AN/4

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Accessories

Blank



WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

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 | 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 pc(s). | |

2.5 mm²


2.5
mm²

The plugs for our WeiCoS-System are available for all different connection systems. The product range includes preassembled connectors from 1 to 10 poles and the possibility of an individual assembly. This ensures maximum flexibility for every application. The customized accessories increase the safety and protection against environmental influences.

General ordering data

| Type | ZP 2.5/1AN/QV/16 | Version |
|------------|----------------------------|--|
| Order No. | 1815340000 | Z-series, Plug-in connector, dark beige, Direct mounting |
| GTIN (EAN) | 4032248370146 | |
| Qty. | 10 pc(s). | |
| Type | ZP 2.5/1AN/QV/11 | Version |
| Order No. | 1815290000 | Z-series, Plug-in connector, dark beige, Direct mounting |
| GTIN (EAN) | 4032248342570 | |
| Qty. | 20 pc(s). | |
| Type | ZP 2.5/1AN/QV/6 | Version |
| Order No. | 1815240000 | Z-series, Plug-in connector, dark beige, Direct mounting |
| GTIN (EAN) | 4032248342525 | |
| Qty. | 25 pc(s). | |
| Type | ZP 2.5/1AN/QV/17 | Version |
| Order No. | 1815350000 | Z-series, Plug-in connector, dark beige, Direct mounting |
| GTIN (EAN) | 4032248370153 | |
| Qty. | 10 pc(s). | |

ZTPE 2.5/4AN/4

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Accessories

| | | |
|------------|----------------------------|--|
| Type | ZP 2.5/1AN/QV/3 | Version |
| Order No. | 1815210000 | Z-series, Plug-in connector, dark beige, Direct mounting |
| GTIN (EAN) | 4032248370092 | |
| Qty. | 25 pc(s). | |
| Type | ZP 2.5/1AN/QV/8 | Version |
| Order No. | 1815260000 | Z-series, Plug-in connector, dark beige, Direct mounting |
| GTIN (EAN) | 4032248342549 | |
| Qty. | 20 pc(s). | |
| Type | ZP 2.5/1AN/QV/2 | Version |
| Order No. | 1815200000 | Z-series, Plug-in connector, dark beige, Direct mounting |
| GTIN (EAN) | 4032248370085 | |
| Qty. | 25 pc(s). | |
| Type | ZP 2.5/1AN/QV/4 | Version |
| Order No. | 1815220000 | Z-series, Plug-in connector, dark beige, Direct mounting |
| GTIN (EAN) | 4032248370108 | |
| Qty. | 25 pc(s). | |
| Type | ZP 2.5/1AN/QV/14 | Version |
| Order No. | 1815320000 | Z-series, Plug-in connector, dark beige, Direct mounting |
| GTIN (EAN) | 4032248370122 | |
| Qty. | 10 pc(s). | |
| Type | ZP 2.5/1AN/QV/13 | Version |
| Order No. | 1815310000 | Z-series, Plug-in connector, dark beige, Direct mounting |
| GTIN (EAN) | 4032248370115 | |
| Qty. | 10 pc(s). | |
| Type | ZP 2.5/1AN/QV/9 | Version |
| Order No. | 1815270000 | Z-series, Plug-in connector, dark beige, Direct mounting |
| GTIN (EAN) | 4032248342556 | |
| Qty. | 20 pc(s). | |
| Type | ZP 2.5/1AN/QV/12 | Version |
| Order No. | 1815300000 | Z-series, Plug-in connector, dark beige, Direct mounting |
| GTIN (EAN) | 4032248342587 | |
| Qty. | 20 pc(s). | |
| Type | ZP 2.5/1AN/QV/1 | Version |
| Order No. | 1815190000 | Z-series, Plug-in connector, dark beige, Direct mounting |
| GTIN (EAN) | 4032248370061 | |
| Qty. | 50 pc(s). | |
| Type | ZP 2.5/1AN/QV/5 | Version |
| Order No. | 1815230000 | Z-series, Plug-in connector, dark beige, Direct mounting |
| GTIN (EAN) | 4032248342518 | |
| Qty. | 25 pc(s). | |
| Type | ZP 2.5/1AN/QV/1 GN | Version |
| Order No. | 1820570000 | Z-series, Plug-in connector, green, Direct mounting |
| GTIN (EAN) | 4032248370078 | |
| Qty. | 50 pc(s). | |
| Type | ZP 2.5/1AN/QV/15 | Version |
| Order No. | 1815330000 | Z-series, Plug-in connector, dark beige, Direct mounting |
| GTIN (EAN) | 4032248370139 | |
| Qty. | 10 pc(s). | |
| Type | ZP 2.5/1AN/QV/10 | Version |
| Order No. | 1815280000 | Z-series, Plug-in connector, dark beige, Direct mounting |
| GTIN (EAN) | 4032248342563 | |
| Qty. | 20 pc(s). | |

Creation date August 29, 2024 5:21:46 AM CEST

Catalogue status 17.08.2024 / We reserve the right to make technical changes.

ZTPE 2.5/4AN/4**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Accessories**

| | | |
|------------|----------------------------|--|
| Type | ZP 2.5/1AN/QV/7 | Version |
| Order No. | 1815250000 | Z-series, Plug-in connector, dark beige, Direct mounting |
| GTIN (EAN) | 4032248342532 | |
| Qty. | 25 pc(s). | |

Strain reliefs

The strain relief protects the contact against mechanical stress and protects the connector against inadvertent release from the contact point.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | ZZE ZP2.5 | Version |
| Order No. | 1816140000 | Z-series, Strain relief, yellow, 9.9 mm |
| GTIN (EAN) | 4032248370719 | |
| Qty. | 25 pc(s). | |
| Type | ZZE ZP2.5/4 | Version |
| Order No. | 1866220000 | Z-series, Strain relief, yellow, 19.9 mm |
| GTIN (EAN) | 4032248480845 | |
| Qty. | 25 pc(s). | |

ZTPE 2.5/4AN/4

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

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 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.

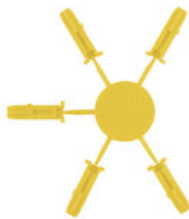
- Large range of ready-to-use markers
- Strips for fast installation
- Terminal markers, suitable for all Weidmüller cable connectors
- Available as blank MultiCard or with standard printing

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 pc(s). | |

Coding elements



Through the use of coding pins, individual coding options ensure trouble-free plug-in connection.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | KOSF ZT2.5 | Version |
| Order No. | 1816150000 | Z-series, Coding element, yellow, 2.9 mm |
| GTIN (EAN) | 4032248370726 | |
| Qty. | 50 pc(s). | |

ZTPE 2.5/4AN/4**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Accessories****Protective covers**

The cover of the plug contact offers protection from external influences, e.g. soiling from dust.

General ordering data

| | | |
|------------|----------------------------|---------------------------------------|
| Type | ZAD ZT/ZPS2.5 | Version |
| Order No. | 1861030000 | Z-series, cover plate, yellow, 4.2 mm |
| GTIN (EAN) | 4032248418428 | |
| Qty. | 25 pc(s). | |

2.5 mm²

2.5
mm²

End plates are fitted to the open side of the last modular terminal before the end bracket. The use of an end plate ensures the function of the modular terminal and the specified rated voltage. It guarantees protection against contact with live parts and makes the final terminal finger-proof.

General ordering data

| | | |
|------------|----------------------------|--------------------------------------|
| Type | ZAP/TW ZT2.5/4AN/4 | Version |
| Order No. | 1816090000 | Z-series, End plate, Partition plate |
| GTIN (EAN) | 4032248370665 | |
| Qty. | 50 pc(s). | |

ZTPE 2.5/4AN/4

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

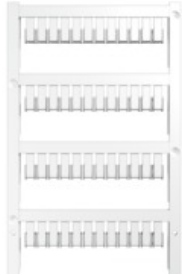
D-32758 Detmold

Germany

www.weidmueller.com

Accessories

Blank



ZS markers - in proven MultiCard-format - have been developed specifically for the Z-series. They have a large printing area. The hinged mechanism even allows access to cross-connectors without dismantling. Quick installation is guaranteed by the fact that the single tags are clipped on in strips. The single tags are easy to separate.

- Hinged marker area
- Can be fitted in strips or individually
- Markers in proven MultiCard format

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 | 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 pc(s). | |

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 pc(s). | |

ZTPE 2.5/4AN/4

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Accessories

Z-Series



Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

General ordering data

| | | |
|------------|----------------------------|-----------------------------------|
| Type | ZTA ZT2.5 | Version |
| Order No. | 1827080000 | Accessories, Test adapter, 17.5 A |
| GTIN (EAN) | 4032248411276 | |
| Qty. | 25 pc(s). | |
| Type | ZTA ZT2.5/ZA | Version |
| Order No. | 1847600000 | Accessories, Test adapter, 17.5 A |
| GTIN (EAN) | 4032248412679 | |
| Qty. | 25 pc(s). | |

Blank



WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

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 | 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 pc(s). | |
| 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 pc(s). | |

ZTPE 2.5/4AN/4

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Accessories

Locking elements



The plugs can be securely and easily fixed to the base terminal by using a locking element. The locking element avoids an unintentional disconnection of the plugs from the base terminal and ensures maximum safety.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | ZVR ZP2.5 | Version |
| Order No. | 1816130000 | Z-series, Locking clips, yellow, 3.9 mm |
| GTIN (EAN) | 4032248370702 | |
| Qty. | 25 pc(s). | |
| Type | ZVR ZPS2.5 | Version |
| Order No. | 1878620000 | Z-series, Locking clips, yellow, 15 mm |
| GTIN (EAN) | 4032248471591 | |
| Qty. | 20 pc(s). | |

Marker holder



The marker holder offers 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 pc(s). | |
| Type | BZT 1 ZA WS 10/5 | Version |
| Order No. | 1805520000 | Accessories, Marker holder |
| GTIN (EAN) | 4032248270248 | |
| Qty. | 100 pc(s). | |

ZTPE 2.5/4AN/4**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Accessories****Coupling**

A coupling offers the possibility to use the WeiCoS connector system without a base terminal block. The system can be used as a floating or permanently installed application for connecting two conductors.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | ZVLA SC ZPS2.5 | Version |
| Order No. | 1866240000 | Z-series, Plug-in modular terminals, yellow, 15 mm |
| GTIN (EAN) | 4032248513376 | |
| Qty. | 20 pc(s). | |
| Type | ZVLA DF CL ZPS2.5 | Version |
| Order No. | 1878610000 | Z-series, Plug-in modular terminals, yellow |
| GTIN (EAN) | 4032248471584 | |
| Qty. | 20 pc(s). | |
| Type | ZVLA1 ZPS2.5 | Version |
| Order No. | 1866250000 | Z-series, Plug-in modular terminals, yellow, 8.8 mm |
| GTIN (EAN) | 4032248524761 | |
| Qty. | 20 pc(s). | |
| Type | ZVLA RC ZPS2.5 | Version |
| Order No. | 1866260000 | Z-series, Plug-in modular terminals, yellow, 8.8 mm |
| GTIN (EAN) | 4032248524754 | |
| Qty. | 20 pc(s). | |