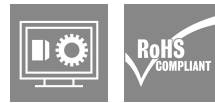
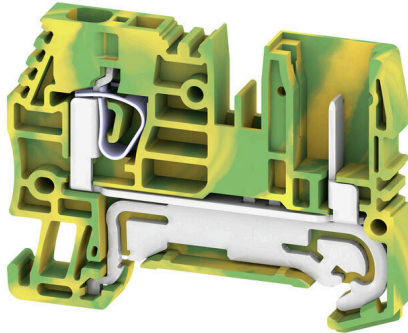


ZTPE 4/2AN/1**Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26
D-32758 Detmold
Germany

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: 4 mm ² , Tension-clamp connection, green |
| Order No. | 1854970000 |
| Type | ZTPE 4/2AN/1 |
| GTIN (EAN) | 4032248396030 |
| Qty. | 50 items |

Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E60693

Dimensions and weights

| | | | |
|--------------------------|-------------|----------------|-------------|
| Depth | 43 mm | Depth (inches) | 1.6929 inch |
| Depth including DIN rail | 43.5 mm | Height | 58 mm |
| Height (inches) | 2.2835 inch | Width | 6.5 mm |
| Width (inches) | 0.2559 inch | Net weight | 12.99 g |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|---------------|
| Storage temperature | -25 °C...55 °C | Ambient temperature | -5 °C...40 °C |
| Continuous operating temp., min. | -50 °C | Continuous operating temp., max. | 120 °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 | | |

System specifications

| | | | |
|-------------------------------------|--|-----------------------------------|-------|
| Version | 1 tension-clamp connection - 1 plug-in connection, pluggable, With PE connection | End cover plate required | Yes |
| Number of potentials | 1 | Number of levels | 1 |
| Number of clamping points per level | 2 | Levels cross-connected internally | No |
| PE connection | Yes | Mounting rail | TS 35 |
| PE function | Yes | PEN function | No |

Additional technical data

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

CSA rating data

| | | | |
|-------------------------------|--------|-----------------------|----------------|
| Wire cross section max. (CSA) | 10 AWG | Certificate No. (CSA) | 200039-1720292 |
| Wire cross section min. (CSA) | 26 AWG | | |

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Technical data

Conductors for clamping (additional connection)

| | | | |
|---|-------------------|--|-----------|
| Conductor cross-section, flexible plus plastic collar DIN 46228/1, further connection, max. | 4 mm ² | Connection type, additional connection | pluggable |
|---|-------------------|--|-----------|

Conductors for clamping (rated connection)

| | | | | |
|---|--|--|----------------------|---------------------|
| Gauge to IEC 60947-1 | A3 | | | |
| Wire connection cross section AWG, max. | AWG 10 | | | |
| Connection direction | top | | | |
| Stripping length | 12 mm | | | |
| Type of connection | Tension-clamp connection | | | |
| Number of connections | 2 | | | |
| Clamping range, max. | 6 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, min. | 0.13 mm ² | | | |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 4 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. | 6 mm ² | | | |
| Wire connection cross section, finely stranded, min. | 0.13 mm ² | | | |
| Connection cross-section, stranded, max. | 4 mm ² | | | |
| Connection cross-section, stranded, min. | 0.13 mm ² | | | |
| Wire connection cross-section, solid core, max. | 6 mm ² | | | |
| Wire connection cross-section, solid core, min. | 0.13 mm ² | | | |
| Tube length for wire-end ferrule with plastic collar DIN 46228/4 | Cross-section for conductor connection | nominal | 0.5 mm ² | |
| | | min. | 8 mm | |
| | | max. | 10 mm | |
| | Cross-section for conductor connection | nominal | 0.75 mm ² | |
| | | min. | 6 mm | |
| | | max. | 12 mm | |
| | Cross-section for conductor connection | nominal | 1 mm ² | |
| | | min. | 6 mm | |
| | | max. | 12 mm | |
| | Cross-section for conductor connection | nominal | 1.5 mm ² | |
| | | min. | 8 mm | |
| | | max. | 12 mm | |
| | Cross-section for conductor connection | nominal | 2.5 mm ² | |
| | | min. | 8 mm | |
| | | max. | 12 mm | |
| | Cross-section for conductor connection | nominal | 4 mm ² | |
| | | min. | 10 mm | |
| | | max. | 12 mm | |
| | Tube length for twin wire-end ferrule | Cross-section for conductor connection | nominal | 0.5 mm ² |
| | | | min. | 8 mm |

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Technical data

| | | | |
|---|--|---------------------|----------------------|
| Tube length for wire-end ferrule without plastic collar DIN 46228/1 | Cross-section for conductor connection | max. | 12 mm |
| | | nominal | 0.75 mm ² |
| | | min. | 8 mm |
| | Cross-section for conductor connection | max. | 12 mm |
| | | nominal | 0.5 mm ² |
| | | nominal | 10 mm |
| | Cross-section for conductor connection | nominal | 0.75 mm ² |
| | | nominal | 10 mm |
| | | nominal | 1 mm ² |
| | Cross-section for conductor connection | nominal | 10 mm |
| | | nominal | 1.5 mm ² |
| | | min. | 10 mm |
| Cross-section for conductor connection | max. | 12 mm | |
| | nominal | 2.5 mm ² | |
| | min. | 10 mm | |
| Cross-section for conductor connection | max. | 12 mm | |
| | nominal | 4 mm ² | |
| | nominal | 12 mm | |

General

| | | | |
|---|--------|---|--------|
| Wire connection cross section AWG, max. | AWG 10 | Wire connection cross section AWG, min. | AWG 26 |
| Mounting rail | TS 35 | | |

Rating data

| | | | |
|--|-------------------|--|--------|
| Rated cross-section | 4 mm ² | Rated voltage | 800 V |
| Rated voltage to adjoining terminal | 800 V | Max. voltage of clamp support & pluggable system | 800 V |
| Rated DC voltage | 500 V | Nominal current | 0 A |
| Volume resistance according to IEC 60947-7-x | 1 mΩ | Power loss in accordance with IEC 60947-7-x | 1.02 W |
| Pollution severity | 3 | | |

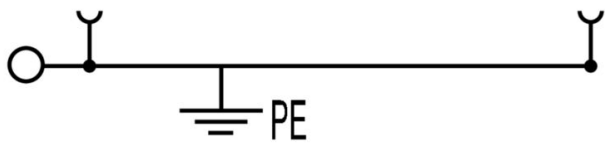
UL rating data

| | | | |
|--|--------|--|--------|
| Conductor size Factory wiring max. (cURus) | 10 AWG | Certificate No. (cURus) | E60693 |
| Conductor size Field wiring min. (cURus) | 26 AWG | Conductor size Factory wiring min. (cURus) | 26 AWG |
| Conductor size Field wiring max. (cURus) | 10 AWG | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC000897 | ETIM 9.0 | EC000897 |
| ETIM 10.0 | EC000897 | ECLASS 14.0 | 27-25-01-17 |
| ECLASS 15.0 | 27-25-01-17 | | |

Drawings



ZTPE 4/2AN/1

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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 ZT4/2AN | Version |
| Order No. | 1855220000 | Z-series, End plate, Partition plate |
| GTIN (EAN) | 4032248396528 | |
| Qty. | 50 ST | |
| Type | ZAP/TW ZT4/2AN OR | Version |
| Order No. | 1855230000 | Z-series, End plate, Partition plate |
| GTIN (EAN) | 4032248396511 | |
| Qty. | 50 ST | |

Plugs



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 | ZVR ZP4 | Version |
| Order No. | 1855250000 | Z-series, Locking clips, Direct mounting |
| GTIN (EAN) | 4032248396481 | |
| Qty. | 25 ST | |
| Type | KOSF ZT4 | Version |
| Order No. | 1856860000 | Z-series, Coding element, Direct mounting |
| GTIN (EAN) | 4032248400744 | |
| Qty. | 50 ST | |
| Type | ZZE ZP4 | Version |
| Order No. | 1855260000 | Z-series, Strain relief, Direct mounting |
| GTIN (EAN) | 4032248396498 | |
| Qty. | 25 ST | |
| Type | ZP 4/1AN/1 GN | Version |
| Order No. | 1854980000 | Z-series, Plug-in connector, green, Direct mounting |
| GTIN (EAN) | 4032248396054 | |
| Qty. | 50 ST | |

ZTPE 4/2AN/1

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Accessories

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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 5/6 MC NE WS | Version |
| Order No. | 1609820000 | Dekafix, Terminal marker, 5 x 6 mm, Pitch in mm (P): 6.00 |
| GTIN (EAN) | 4008190203436 | Weidmueller, white |
| Qty. | 1000 ST | |
| Type | WS 10/6 M MC NE WS | Version |
| Order No. | 1818400000 | WS, Terminal marker, 10 x 6 mm, Pitch in mm (P): 6.00 Weidmueller, |
| GTIN (EAN) | 4032248310876 | Allen-Bradley, white |
| Qty. | 600 ST | |
| Type | WS 10/6 MC NE WS | Version |
| Order No. | 1828450000 | WS, Terminal marker, 10 x 6 mm, Pitch in mm (P): 6.00 Weidmueller, |
| GTIN (EAN) | 4032248350513 | Allen-Bradley, white |
| Qty. | 600 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 | |

ZTPE 4/2AN/1

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Accessories

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DEK 5/6



WS/ DEK

MultiMark terminal markers use an innovative composite material made from two components. The hard base contour of the marker snaps securely into the connector. The elastic surface finish makes the marker easy to mount. This specially punched material enables the strips to be stretched to accommodate the slight variations in spacing that tend to add up, especially with long terminal blocks. Another advantage: the excellent printability of the surface material guarantees durable and wear-resistant labelling. A print resolution of 300 dpi also produces a very legible script.

Your benefits with MultiMark

- Firm hold and durable printing
- Continuous strips save installation time
- Easy mounting thanks to an innovative composite material
- Large label field for optimal legibility
- High flexibility thanks to manufacturer independence

General ordering data

| | | | |
|------------|----------------------------|---------|--|
| Type | DEK 5/6 MM WS | Version | |
| Order No. | 2007120000 | | Dekafix, Terminal marker, 5 x 6 mm, Weidmueller, white |
| GTIN (EAN) | 4050118392104 | | |
| Qty. | 600 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 thickness (A): 0.6 mm |
| GTIN (EAN) | 4050118896350 | | |
| Qty. | 1 ST | | |