

ZP 2.5/1AN/2**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image

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

| | |
|------------|--|
| Version | Z-series, Plug-in connector, dark beige, Direct mounting |
| Order No. | 1815440000 |
| Type | ZP 2.5/1AN/2 |
| GTIN (EAN) | 4032248370252 |
| Qty. | 25 pc(s). |

Creation date January 13, 2022 10:48:03 PM CET

Catalogue status 17.12.2021 / We reserve the right to make technical changes.

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Technical data**Dimensions and weights**

| | | | |
|------------|---------|-----------------|------------|
| Depth | 41 mm | Depth (inches) | 1.614 inch |
| Height | 16.5 mm | Height (inches) | 0.65 inch |
| Width | 10.2 mm | Width (inches) | 0.402 inch |
| Net weight | 5.8 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 | dark beige |
| UL 94 flammability rating | V-0 | | |

System specifications

| | | | |
|-----------------------------------|---|-------------------------------------|----|
| Version | Plug-in connector, Tension-clamp connection | End cover plate required | No |
| Number of levels | 1 | Number of clamping points per level | 1 |
| Levels cross-connected internally | No | PE connection | No |

Additional technical data

| | | | |
|---------------------|-----------------|------------|--------|
| Installation advice | Direct mounting | Open sides | closed |
| Type of mounting | Plugged | | |

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 (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 | 2 |
| Stripping length | 10 mm |

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Technical data

| | | | | |
|---|---|--------------------|----------------------|--|
| Tube length for wire-end ferrule with plastic collar DIN 46228/4 | Cross-section for conductor connection | nominal | 0.5 mm ² | |
| | | min. | 6 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 | |
| Tube length for wire-end ferrule without plastic collar DIN 46228/1 | Cross-section for conductor connection | nominal | 0.5 mm ² | |
| | | nominal | 10 mm | |
| | Cross-section for conductor connection | nominal | 0.75 mm ² | |
| | | nominal | 10 mm | |
| | Cross-section for conductor connection | nominal | 1 mm ² | |
| | | nominal | 10 mm | |
| | Cross-section for conductor connection | nominal | 1.5 mm ² | |
| | | min. | 10 mm | |
| | | max. | 12 mm | |
| | Cross-section for conductor connection | nominal | 2.5 mm ² | |
| | | min. | 10 mm | |
| | | max. | 12 mm | |
| | Type of connection | Plug-in connection | | |
| | 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

| | | | |
|---|----------------------------------|---|--------|
| Installation advice | Direct mounting | Number of poles | 2 |
| Standards | In accordance with IEC 60947-7-1 | Wire connection cross section AWG, max. | AWG 26 |
| Wire connection cross section AWG, min. | AWG 12 | | |

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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 current | 24 A | Current at maximum wires | 24 A |
| Standards | In accordance with IEC 60947-7-1 | 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 | 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 | Current size C (cURus) | 20 A |
| Current size D (cURus) | 5 A | Voltage size C (cURus) | 300 V |
| Voltage size D (cURus) | 600 V | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC002848 | ETIM 7.0 | EC002848 |
| ETIM 8.0 | EC002848 | ECLASS 9.0 | 27-14-11-92 |
| ECLASS 9.1 | 27-14-11-92 | ECLASS 10.0 | 27-14-11-92 |
| ECLASS 11.0 | 27-14-11-92 | | |

Approvals

Approvals



| | |
|-----------------------|---------|
| ROHS | Conform |
| UL File Number Search | E60693 |

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | EAC certificate DNVGL certificate CB Testreport CB Certificate |
| Engineering Data | CAD data – STEP |
| Engineering Data | EPLAN, WSCAD, Zuken E3.S |
| User Documentation | StorageConditionsTerminalBlocks |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

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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 10/5 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). | |

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 BL | Version |
|------------|----------------------------|---|
| Order No. | 1609801693 | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190397166 | Weidmueller, blue |
| Qty. | 1,000 pc(s). | |

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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.

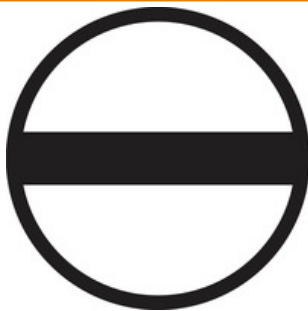
- Hinged marker area
- Can be fitted in strips or individually
- Markers in proven MultiCard format

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



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 | SDS 0.6X3.5X100 | Version |
| Order No. | 9008330000 | Screwdriver, Screwdriver |
| GTIN (EAN) | 4032248056286 | |
| Qty. | 1 pc(s). | |

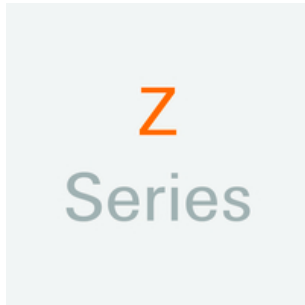
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Accessories

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). | |

STR transparent strips



General ordering data

| | | |
|------------|----------------------------|--|
| Type | STR 7 F.SCHT 7 | Version |
| Order No. | 0515300000 | Terminal markers, Protective cap, 27 x 6.3 mm, Transparent |
| GTIN (EAN) | 4008190182175 | |
| Qty. | 20 pc(s). | |

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