# ZP 2.5/1AN/3 GN/BE

**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, beige, Direct mounting |
| Order No. | 1867100000 |
| Type | ZP 2.5/1AN/3 GN/BE |
| GTIN (EAN) | 4032248475643 |
| Qty. | 25 pc(s). |

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## Technical data

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 41 mm | Depth (inches) | 1.614 inch |
| Height | 16 mm | Height (inches) | 0.63 inch |
| Width | 15.3 mm | Width (inches) | 0.602 inch |
| Net weight | 10.28 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, dark beige |
| UL 94 flammability rating | V-0 | | |

### System specifications

| | | | |
|---|---|---|---|
| Version | Set of connectors, plug-gable, Tension-clamp con-nection | End cover plate required | No |
| Number of levels | 1 | Number of clamping points per level | 1 |
| Levels cross-connected internally | No | PE connection | Yes |

### 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 mm² |
| Clamping range, min. | 0.13 mm² |
| Connection direction | top |
| Gauge to IEC 60947-1 | A2 |
| Number of connections | 3 |
| 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 mm² |
| | | min. | 6 mm |
| | | max. | 10 mm |
| | Cross-section for conductor connection | nominal | 0.75 mm² |
| | | min. | 6 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | nominal | 1 mm² |
| | | min. | 6 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | nominal | 1.5 mm² |
| | | min. | 8 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | nominal | 2.5 mm² |
| | | 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 mm² |
| | | nominal | 10 mm |
| | Cross-section for conductor connection | nominal | 0.75 mm² |
| | | nominal | 10 mm |
| | Cross-section for conductor connection | nominal | 1 mm² |
| | | nominal | 10 mm |
| | Cross-section for conductor connection | nominal | 1.5 mm² |
| | | min. | 10 mm |
| | | max. | 12 mm |
| | Cross-section for conductor connection | nominal | 2.5 mm² |
| | | 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 mm² |
| Wire connection cross section, finely stranded, min. | 0.5 mm² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 mm² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm² |
| Wire connection cross-section, solid core, max. | 4 mm² |
| Wire connection cross-section, solid core, min. | 0.5 mm² |

### General

| | | | |
|---|---|---|---|
| Installation advice | Direct mounting | Number of poles | 3 |
| 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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## Technical data

### Rating data

| | | | |
|---|---|---|---|
| Rated cross-section | 2.5 mm² | Rated voltage | 500 V |
| Rated voltage to adjoining terminal | 500 V | Max. voltage of clamp support & plug-gable system | 690 V |
| Rated DC voltage | 500 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 adja-cent terminal | 6 kV | Power loss in accordance with IEC 60947-7-x | 0.77 W |

### UL rating data

| | | | |
|---|---|---|---|
| Certificate No. (cURus) | E60693 | Conductor size Factory wiring max. (cU-Rus) | 12 AWG |
| Conductor size Factory wiring min. (cU-Rus) | 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 | ETIM 9.0 | 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 |
| ECLASS 12.0 | 27-14-11-92 | ECLASS 13.0 | 27-25-03-90 |

### Environmental Product Compliance

| | |
|---|---|
| REACH SVHC | / |

### Approvals

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

### Downloads

| | |
|---|---|
| Approval/Certificate/Document of Con-formity | DNVGL certificate<br>CB Testreport<br>CB Certificate<br>Confirmation of Standards EN 45545-2_2020-10 |
| Engineering Data | CAD data – STEP |
| Engineering Data | Zuken E3.S |
| User Documentation | StorageConditionsTerminalBlocks |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

Creation date July 5, 2024 5:25:18 AM CEST

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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). | |

### 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). | |

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## Accessories

### 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). | |

### 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). | |

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## Accessories

### 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 snaped 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). | |

### 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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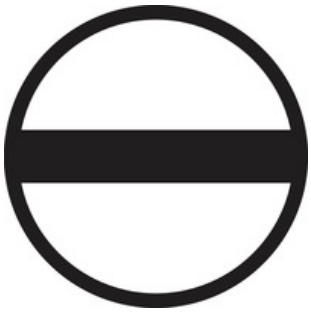
## Accessories

### 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). | |