# ZPS 2.5/1AN/QV/1

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

www.weidmueller.com

## Product image




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

| | |
|---|---|
| Version | Z-series, Coupling, Rated cross-section: 2.5 mm², Plug-in connection, beige, Direct mounting |
| Order No. | 1865880000 |
| Type | ZPS 2.5/1AN/QV/1 |
| GTIN (EAN) | 4032248499236 |
| Qty. | 50 pc(s). |

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## Technical data

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 42 mm | Depth (inches) | 1.654 inch |
| Height | 22.55 mm | Height (inches) | 0.888 inch |
| Width | 7.6 mm | Width (inches) | 0.299 inch |
| Net weight | 5.16 g | | |

### Temperatures

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

### Material data

| | | | |
|---|---|---|---|
| Material | Wemid | Colour | dark beige |
| UL 94 flammability rating | V-0 | | |

### System specifications

| | | | |
|---|---|---|---|
| Version | Plug-in connector, pluggable, Tension-clamp connection | 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 | Type of mounting | Plugged |

### CSA rating data

| | | | |
|---|---|---|---|
| Certificate No. (CSA) | 200039-1720292 | Current size C (CSA) | 20 A |
| Current size D (CSA) | 5 A | Voltage size C (CSA) | 300 V |
| Voltage size D (CSA) | 600 V | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 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 | 1 |
| Stripping length | 10 mm | Type of connection | Plug-in connection |
| Wire connection cross section AWG, max. | AWG 12 | Wire connection cross section AWG, min. | AWG 26 |
| 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. | 0.13 mm² |

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## Technical data

### General

| | | | |
|---|---|---|---|
| Installation advice | Direct mounting | Number of poles | 1 |
| Standards | IEC 60947-7-1, IEC 61984 | Wire connection cross section AWG, max. | AWG 12 |
| Wire connection cross section AWG, min. | AWG 26 | | |

### Rating data

| | | | |
|---|---|---|---|
| Rated cross-section | 2.5 mm² | Rated voltage | 500 V |
| Rated DC voltage | 500 V | Rated current | 24 A |
| Current at maximum wires | 24 A | Standards | IEC 60947-7-1, IEC 61984 |
| Volume resistance according to IEC 60947-7-x | 1.33 mΩ | Rated impulse withstand voltage | 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) | 24 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 |

### Approvals

Approvals

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

### Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | DNVGL certificate<br>Confirmation of Standards EN 45545-2_2020-10 |
| Engineering Data | CAD data – STEP |
| User Documentation | StorageConditionsTerminalBlocks |
| Catalogues | Catalogues in PDF-format |

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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 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). | |

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

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## Accessories

### 2.5 mm²




The plug-in cross-connections feature easy handling and quick installation. This saves a great deal of time during installation in comparison with screwed solutions.

### General ordering data

| | | |
|---|---|---|
| Type | ZQV 2.5N/20 GE | Version |
| Order No. | 1909000000 | W-Series, Cross-connector, 24 A |
| GTIN (EAN) | 4032248535613 | |
| Qty. | 20 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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## Accessories

### Z-Series



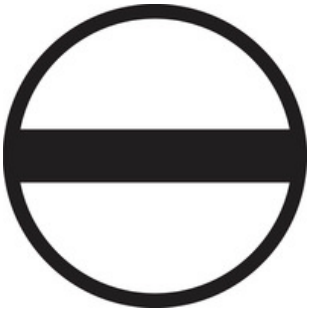

Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

### 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). | |

### 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

### Blank



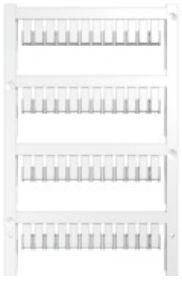
The Dekafix (DEK) marker is the universal marker for all conductor and plug-in connectors as well as for electronic sub-assemblies. The system is ideal for short number sequences and covers a wide range of ready-printed markers.
Strips for fast installation in only one work step. The printing is easy 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. | 1,000 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). | |