

ZPE 16/3AN**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

A protective feed through terminal block is an electrical conductor for the purpose of safety and is used in many applications. To establish the electrical and mechanical connection between copper conductors and the mounting support plate, PE terminal blocks are used. They have one or more contact points for connection with and/or bifurcation of protective earth conductors.

General ordering data

| | |
|------------|--|
| Version | PE terminal, Tension-clamp connection, 16 mm ² , 1920 A (16 mm ²), Green/yellow |
| Order No. | 1768310000 |
| Type | ZPE 16/3AN |
| GTIN (EAN) | 4032248122790 |
| Qty. | 20 pc(s). |

ZPE 16/3AN

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Technical data

Dimensions and weights

| | | | |
|--------------------------|------------|----------------|------------|
| Depth | 50.5 mm | Depth (inches) | 1.988 inch |
| Depth including DIN rail | 51.5 mm | Height | 99 mm |
| Height (inches) | 3.898 inch | Width | 12.1 mm |
| Width (inches) | 0.476 inch | Net weight | 64.324 g |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|---|
| Storage temperature | | Operating temperature range | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity |
| | -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 | | |

Rating data IECEx/ATEX

| | | | |
|--------------------------------|---|---------------------------------|--------------------|
| Certificate No. (ATEX) | DEMKO15ATEX1467U | Certificate No. (IECEX) | IECEXULD15.0008U |
| Wire cross section max. (ATEX) | 25 mm ² | Wire cross section max. (IECEX) | 25 mm ² |
| Operating temperature range | For operating temperature range see EC Design Test Certificate / IEC Ex-Certificate of Conformity | Marking EN 60079-7 | |
| Ex 2014/34/EU label | II 2 G D | | Ex eb II C Gb |

System specifications

| | | | |
|-----------------------------------|---|-------------------------------------|-----|
| Version | Tension-clamp connection, With PE connection, One end without connector | End cover plate required | Yes |
| Number of levels | 1 | Number of clamping points per level | 3 |
| Levels cross-connected internally | No | PE connection | Yes |
| Rail | TS 35 | PE function | Yes |
| PEN function | Yes | | |

Additional technical data

| | | | |
|--------------------------|-------|-----------------------------|---------|
| Explosion-tested version | No | Number of similar terminals | 1 |
| Open sides | right | Type of mounting | Snap-on |

CSA rating data

| | | | |
|-------------------------------|----------------|-------------------------------|-------|
| Certificate No. (CSA) | 200039-1152892 | Wire cross section max. (CSA) | 4 AWG |
| Wire cross section min. (CSA) | 14 AWG | | |

Conductors for clamping (additional connection)

| | |
|--|--------------------------|
| Connection type, additional connection | Tension-clamp connection |
|--|--------------------------|

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Technical data

Conductors for clamping (rated connection)

| | | | |
|---|---------------------|---|--------------------------|
| Blade size | 1.0 x 5.5 mm | Clamping range, max. | 25 mm ² |
| Clamping range, min. | 1.5 mm ² | Connection cross-section, stranded, max. | 25 mm ² |
| Connection cross-section, stranded, min. | 1.5 mm ² | Connection direction | top |
| Gauge to IEC 60947-1 | A7 | Number of connections | 3 |
| Stripping length | 18 mm | Type of connection | Tension-clamp connection |
| Wire connection cross section AWG, max. | AWG 4 | Wire connection cross section AWG, min. | AWG 14 |
| Wire connection cross section, finely stranded, max. | 16 mm ² | Wire connection cross section, finely stranded, min. | 1.5 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 16 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 1.5 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 16 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 1.5 mm ² |
| Wire connection cross-section, solid core, max. | 16 mm ² | Wire connection cross-section, solid core, min. | 1.5 mm ² |

General

| | | | |
|---|-------|---|---------------|
| Rail | TS 35 | Standards | IEC 60947-7-2 |
| Wire connection cross section AWG, max. | AWG 4 | Wire connection cross section AWG, min. | AWG 14 |

PE rating data

| | | | |
|--------------------------|------------------------------|--------------|-----|
| Rated short-time current | 1920 A (16 mm ²) | PEN function | Yes |
|--------------------------|------------------------------|--------------|-----|

Rating data

| | | | |
|--|--------------------|--|---------------|
| Rated cross-section | 16 mm ² | Rated voltage to adjoining terminal | 800 V |
| Rated DC voltage | 800 V | Standards | IEC 60947-7-2 |
| Volume resistance according to IEC 60947-7-x | 0.42 mΩ | Rated impulse withstand voltage to adjacent terminal | 8 kV |
| Power loss in accordance with IEC 60947-7-x | 2.43 W | Pollution severity | 3 |

UL rating data

| | | | |
|---|--------|---|-------|
| Certificate No. (UR) | E60693 | Conductor size Factory wiring max. (UR) | 4 AWG |
| Conductor size Factory wiring min. (UR) | 14 AWG | Conductor size Field wiring max. (UR) | 4 AWG |
| Conductor size Field wiring min. (UR) | 14 AWG | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000901 | ETIM 7.0 | EC000901 |
| ETIM 8.0 | EC000901 | ETIM 9.0 | EC000901 |
| ECLASS 9.0 | 27-14-11-41 | ECLASS 9.1 | 27-14-11-41 |
| ECLASS 10.0 | 27-14-11-41 | ECLASS 11.0 | 27-14-11-41 |
| ECLASS 12.0 | 27-14-11-41 | ECLASS 13.0 | 27-25-01-03 |

Environmental Product Compliance

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

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Technical data

Approvals

Approvals



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

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | Attestation of Conformity UKCA Ex Attestation of Conformity IECEx Certificate CCC Ex Certificate ATEX Certificate UKCA Ex Certificate 17-AV4BO-0546U Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10 |
| Engineering Data | CAD data – STEP |
| Engineering Data | Zuken E3.S |
| Product Change Notification | PCN_ZPE_Q3_2020 PCN - EN PCN - DE PCN ZDU16 3AN ZPE16 3AN ATEX IECEx change |
| User Documentation | StorageConditionsTerminalBlocks NTI ZDU/ZPE 16/3AN User Manual Z-Series |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

ZPE 16/3AN

Weidmüller Interface GmbH & Co. KG

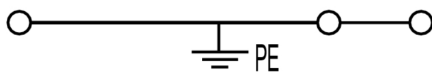
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Drawings



ZPE 16/3AN

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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 15/5 MC NE WS | Version |
| Order No. | 1646630000 | ZS, Terminal marker, 15 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, |
| GTIN (EAN) | 4008190401214 | Allen-Bradley, white |
| Qty. | 480 pc(s). | |

ZPE 16/3AN

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Accessories

Slotted screwdriver

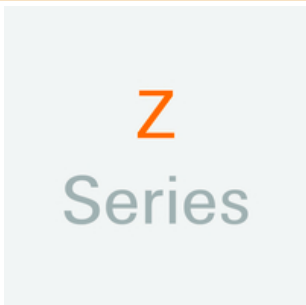


Slotted screwdriver with rounded blade SD DIN 5265, ISO 2380/2, output to DIN 5264, ISO 2380/1. ChromTop tip, SoftFinish grip

General ordering data

| | | |
|------------|----------------------------|---|
| Type | SDS 1.0X5.5X150 | Version |
| Order No. | 2749380000 | Screwdriver, Blade width (B): 5.5 mm, Blade length: 150 mm, Blade |
| GTIN (EAN) | 4050118895605 | thickness (A): 1 mm |
| Qty. | 1 pc(s). | |

Z-Series



Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | ZEW 35 | Version |
| Order No. | 9540000000 | End bracket, Wemid, dark beige, Rail: TS 35, Snap-on |
| GTIN (EAN) | 4008190956264 | |
| Qty. | 20 pc(s). | |

| | | |
|------------|----------------------------|--|
| Type | ZEW 35/2 | Version |
| Order No. | 8630740000 | End bracket, Wemid, dark beige, Rail: TS 35, Snap-on |
| GTIN (EAN) | 4032248348916 | |
| Qty. | 20 pc(s). | |

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www.weidmueller.com**Accessories****W-Series**

W
Series

Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | WEW 35/1 | Version |
| Order No. | 1059000000 | End bracket, Wemid, dark beige, Rail: TS 35, when screwed in |
| GTIN (EAN) | 4008190172282 | |
| Qty. | 50 pc(s). | |
| Type | WEW 35/2 | Version |
| Order No. | 1061200000 | End bracket, Wemid, dark beige, Rail: TS 35, when screwed in |
| GTIN (EAN) | 4008190030230 | |
| Qty. | 50 pc(s). | |

SAK-Series

SAK
Series

Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | EW 35/SCHA/M3 | Version |
| Order No. | 0258660000 | End bracket, Wemid, beige, Rail: TS 35, when screwed in |
| GTIN (EAN) | 4008190033477 | |
| Qty. | 20 pc(s). | |
| Type | EW 35 | Version |
| Order No. | 0383560000 | End bracket, Wemid, beige, Rail: TS 35, when screwed in |
| GTIN (EAN) | 4008190181314 | |
| Qty. | 50 pc(s). | |
| Type | EW 35 GR 7032 | Version |
| Order No. | 0383530000 | End bracket, Wemid, grey, Rail: TS 35, when screwed in |
| GTIN (EAN) | 4008190027322 | |
| Qty. | 50 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). | |

ZGB pivotable group tag holder



The ZGB 15 is a hinged group tag carrier. The tag carrier can hold the dekafix 5, WS 12/5 terminal markers or the inlay tag ESO 15.

The ZGB 30 is a hinged group tag carrier. The tag carrier can hold the dekafix 5, WS 12/5 terminal markers or the inlay tag ESO 7.

Inlay tags and protective strips can be found under "Accessories".

General ordering data

| | | |
|------------|----------------------------|---|
| Type | ZGB 30 | Version |
| Order No. | 1611930000 | Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190002251 | Weidmueller, white |
| Qty. | 20 pc(s). | |
| Type | ZGB 15 | Version |
| Order No. | 1636530000 | Terminal markers, Terminal marker, 15 x 7 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190297053 | Weidmueller, white |
| Qty. | 20 pc(s). | |
| Type | ZGB 30/3.5 | Version |
| Order No. | 1778290000 | Terminal markers, Terminal marker, 32 x 7 mm, Pitch in mm (P): 3.50 |
| GTIN (EAN) | 4032248161065 | white |
| Qty. | 20 pc(s). | |

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Accessories

Test plugs

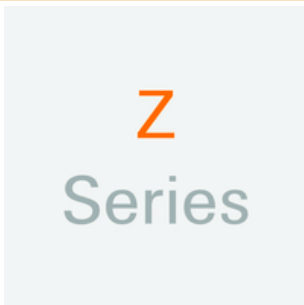


Test adapters and test plugs are used for the electrical connection between terminal blocks and the test equipment. In this way, an electrical contact can be established in the wired state and measurements can be done easily.

General ordering data

| | | |
|------------|----------------------------|---------------------------------------|
| Type | PS 2.3 RT | Version |
| Order No. | 0180400000 | Test adapter (terminal), 230 V, 20 mA |
| GTIN (EAN) | 4008190060121 | |
| Qty. | 20 pc(s). | |

Z-Series



Warning covers with a flash symbol provide more safety for man and machine. They are used where external voltage must be indicated within the application.

General ordering data

| | | |
|------------|----------------------------|-----------------|
| Type | ZAD 5/5 | Version |
| Order No. | 1745210000 | Z-series, Cover |
| GTIN (EAN) | 4008190071448 | |
| Qty. | 20 pc(s). | |

ZPE 16/3AN

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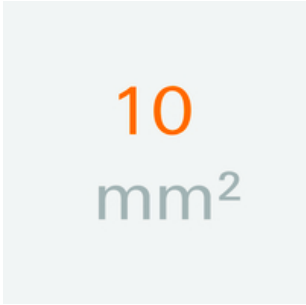
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Accessories

10 mm²


10
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 10/16 OR | Version |
| Order No. | 1749590000 | Z-series, End plate, Partition plate |
| GTIN (EAN) | 4032248138937 | |
| Qty. | 20 pc(s). | |
| Type | ZAP/TW 10/16 BL | Version |
| Order No. | 1768520000 | Z-series, End plate, Partition plate |
| GTIN (EAN) | 4032248110421 | |
| Qty. | 20 pc(s). | |
| Type | ZAP/TW 10/16 | Version |
| Order No. | 1749580000 | Z-series, End plate, Partition plate |
| GTIN (EAN) | 4032248138920 | |
| Qty. | 20 pc(s). | |

16 mm²


16
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 16/2 | Version |
| Order No. | 1739690000 | Accessories, Cross-connector, 76 A |
| GTIN (EAN) | 4008190957148 | |
| Qty. | 25 pc(s). | |

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www.weidmueller.com**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 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). | |