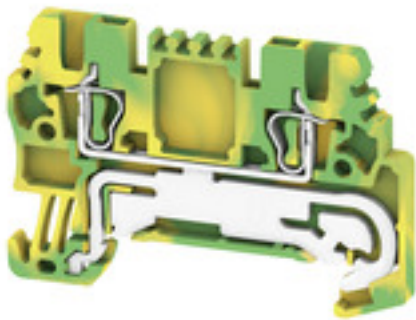


ZPE 1.5**Weidmüller Interface GmbH & Co. KG**

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, 1.5 mm ² , 180 A (1.5 mm ²), Green/yellow |
| Order No. | 1775510000 |
| Type | ZPE 1.5 |
| GTIN (EAN) | 4032248181452 |
| Qty. | 50 pc(s). |

ZPE 1.5

Weidmüller Interface GmbH & Co. KG

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Technical data

Dimensions and weights

| | | | |
|--------------------------|------------|----------------|------------|
| Depth | 36.5 mm | Depth (inches) | 1.437 inch |
| Depth including DIN rail | 37 mm | Height | 54.5 mm |
| Height (inches) | 2.146 inch | Width | 3.5 mm |
| Width (inches) | 0.138 inch | Net weight | 8.06 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) | 1.5 mm ² | Wire cross section max. (IECEX) | 1.5 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 | 2 |
| Levels cross-connected internally | No | PE connection | Yes |
| Rail | TS 35 | PE function | Yes |
| PEN function | No | | |

Additional technical data

| | | | |
|-----------------------------|---------|---------------------|-----------------|
| Explosion-tested version | Yes | Installation advice | Direct mounting |
| 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) | 14 AWG |
| Wire cross section min. (CSA) | 26 AWG | | |

Conductors for clamping (additional connection)

Connection type, additional connection Tension-clamp connection

Conductors for clamping (rated connection)

Blade size 0.4 x 2.0 mm

Creation date October 4, 2024 5:14:02 AM CEST

ZPE 1.5

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

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Technical data

| | | | |
|-----------------------------------------------------------------------------------------|----------------------------------------|---------|----------------------|
| Clamping range, max. | 1.5 mm ² | | |
| Clamping range, min. | 0.05 mm ² | | |
| Connection direction | top | | |
| Gauge to IEC 60947-1 | B1 | | |
| Number of connections | 2 | | |
| Stripping length | 10 mm | | |
| Tube length for wire-end ferrule with plastic collar DIN 46228/4 | Tube length | max. | 10 mm |
| | | min. | 6 mm |
| | Cross-section for conductor connection | nominal | 0.5 mm ² |
| | Tube length | max. | 12 mm |
| | | min. | 6 mm |
| | Cross-section for conductor connection | nominal | 0.75 mm ² |
| Tube length for wire-end ferrule without plastic collar DIN 46228/1 | Tube length | max. | 12 mm |
| | | min. | 6 mm |
| | Cross-section for conductor connection | nominal | 1 mm ² |
| | Cross-section for conductor connection | nominal | 0.5 mm ² |
| | Tube length | nominal | 10 mm |
| | Cross-section for conductor connection | nominal | 0.75 mm ² |
| | Tube length | nominal | 10 mm |
| | Cross-section for conductor connection | nominal | 1 mm ² |
| | Tube length | nominal | 10 mm |
| | Cross-section for conductor connection | nominal | 1.5 mm ² |
| | Tube length | max. | 12 mm |
| | | min. | 10 mm |
| Twin wire-end ferrules, max. | 0.75 mm ² | | |
| Twin wire-end ferrules, min. | 0.5 mm ² | | |
| Type of connection | Tension-clamp connection | | |
| Wire connection cross section AWG, max. | AWG 16 | | |
| Wire connection cross section AWG, min. | AWG 30 | | |
| Wire connection cross section, finely stranded, max. | 1.5 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. | 1.5 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. | 1.5 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. | 1.5 mm ² | | |
| Wire connection cross-section, solid core, min. | 0.5 mm ² | | |

General

| | | | |
|-----------------------------------------|-----------------|-----------------------------------------|--------|
| Installation advice | Direct mounting | Rail | TS 35 |
| Standards | IEC 60947-7-2 | Wire connection cross section AWG, max. | AWG 16 |
| Wire connection cross section AWG, min. | AWG 30 | | |

Creation date October 4, 2024 5:14:02 AM CEST

ZPE 1.5

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

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Technical data

PE rating data

| | | | |
|--------------------------|------------------------------|--------------|----|
| Rated short-time current | 180 A (1.5 mm ²) | PEN function | No |
|--------------------------|------------------------------|--------------|----|

Rating data

| | | | |
|----------------------------------------------|---------------------|------------------------------------------------------|---------------|
| Rated cross-section | 1.5 mm ² | Rated voltage to adjoining terminal | 500 V |
| Rated DC voltage | 500 V | Standards | IEC 60947-7-2 |
| Volume resistance according to IEC 60947-7-x | 1.83 mΩ | Rated impulse withstand voltage to adjacent terminal | 6 kV |
| Power loss in accordance with IEC 60947-7-x | 0.56 W | Pollution severity | 3 |

UL rating data

| | | | |
|--------------------------------------------|--------|--------------------------------------------|--------|
| Certificate No. (cURus) | E60693 | Conductor size Factory wiring max. (cURus) | 14 AWG |
| Conductor size Factory wiring min. (cURus) | 26 AWG | Conductor size Field wiring max. (cURus) | 14 AWG |
| Conductor size Field wiring min. (cURus) | 26 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 |
| ECLASS 14.0 | 27-25-01-03 | | |

Environmental Product Compliance

| | |
|------------------------|-----------------------------|
| REACH SVHC | / |
| RoHS Compliance Status | Compliant without exemption |

Approvals

Approvals



| | |
|---------------------------|------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (cURus) | E60693 |
| Certificate No. (cURusEX) | E184763 |

ZPE 1.5**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Technical data****Downloads**

| | |
|---------------------------------------------|--------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | Attestation of Conformity |
| | UKCA Ex Attestation of Conformity |
| | IECEX Certificate |
| | Lloyds Register Certificate |
| | CCC Ex Certificate |
| | ATEX Certificate |
| | UKCA Ex Certificate |
| | Declaration of Conformity |
| | UKCA declaration of conformity |
| Engineering Data | Confirmation of Standards EN 45545-2_2020-10 |
| | CAD data – STEP |
| Product Change Notification | PCN_ZPE_Q2_2021 - EN |
| | PCN_ZPE_Q2_2021 - DE |
| | Product Change Notification ZPE Q1/2022 DE |
| | Product Change Notification Q1/2022 EN |
| User Documentation | StorageConditionsTerminalBlocks |
| | NTI ZDU/ZPE 1.5 |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

ZPE 1.5

Weidmüller Interface GmbH & Co. KG

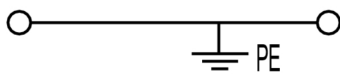
Klingenbergstraße 26

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Drawings



ZPE 1.5

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Accessories

Custom printing



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 5/3.5 MC SDR | Version |
| Order No. | 1767730000 | Dekafix, Terminal marker, 5 x 3.5 mm, Pitch in mm (P): 3.50 |
| GTIN (EAN) | 4032248102532 | Weidmueller, To customer specification |
| Qty. | 100 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 12/3.5 MC NE WS | Version |
| Order No. | 1778270000 | WS, Terminal marker, 12 x 3.5 mm, Pitch in mm (P): 3.50 |
| GTIN (EAN) | 4032248161041 | Weidmueller, Allen-Bradley, white |
| Qty. | 600 pc(s). | |

ZPE 1.5**Weidmüller Interface GmbH & Co. KG**

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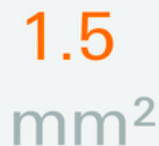
Germany

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 35/2 | Version |
| Order No. | 1061200000 | End bracket, dark beige, TS 35, HB, Wemid, Width: 8 mm, 100 °C |
| GTIN (EAN) | 4008190030230 | |
| Qty. | 50 pc(s). | |
| Type | WEW 35/1 | Version |
| Order No. | 1059000000 | End bracket, dark beige, TS 35, V-2, Wemid, Width: 12 mm, 100 °C |
| GTIN (EAN) | 4008190172282 | |
| Qty. | 50 pc(s). | |

1.5 mm²**1.5**
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 ZDU1.5/2AN | Version |
| Order No. | 1776030000 | Z-series, End plate, Partition plate |
| GTIN (EAN) | 4032248188116 | |
| Qty. | 20 pc(s). | |
| Type | ZAP/TW ZDU1.5/2AN BL | Version |
| Order No. | 1776040000 | Z-series, End plate, Partition plate |
| GTIN (EAN) | 4032248188123 | |
| Qty. | 20 pc(s). | |
| Type | ZAP/TW ZDU1.5/2AN OR | Version |
| Order No. | 1776050000 | Z-series, End plate, Partition plate |
| GTIN (EAN) | 4032248188130 | |
| Qty. | 20 pc(s). | |

ZPE 1.5

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

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www.weidmueller.com

Accessories

DEK 5/3.5



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.

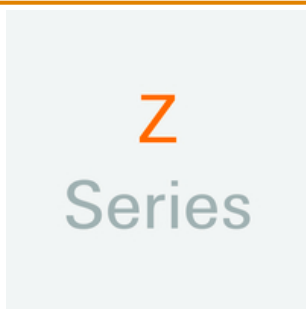
Your benefits with MultiMark

- 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 5/3.5 MM WS | Version |
| Order No. | 2007100000 | Dekafix, Terminal marker, 5 x 3.5 mm, Weidmueller, white |
| GTIN (EAN) | 4050118391992 | |
| Qty. | 1,000 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 35/2 | Version |
| Order No. | 8630740000 | End bracket, dark beige, TS 35, V-2, Wemid, Width: 8 mm, 100 °C |
| GTIN (EAN) | 4032248348916 | |
| Qty. | 20 pc(s). | |
| Type | ZEW 35 | Version |
| Order No. | 9540000000 | End bracket, dark beige, TS 35, V-2, Wemid, Width: 6 mm, 100 °C |
| GTIN (EAN) | 4008190956264 | |
| Qty. | 20 pc(s). | |

ZPE 1.5

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

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Germany

www.weidmueller.com

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 0.4X2.0X60 | Version |
| Order No. | 2749260000 | Screwdriver, Blade width (B): 2 mm, Blade length: 60 mm, Blade thickness (A): 0.4 mm |
| GTIN (EAN) | 4050118895537 | |
| Qty. | 1 pc(s). | |

WS 12/3.5



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 | WS 12/3.5 MM WS | Version |
| Order No. | 2007180000 | WS, Terminal marker, 12 x 3.5 mm, Weidmueller, white |
| GTIN (EAN) | 4050118392203 | |
| Qty. | 1,000 pc(s). | |

ZPE 1.5

Weidmüller Interface GmbH & Co. KG

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Accessories

Z-Series



The use of reducing sleeves simplifies the connection of conductors with smaller cross-sections. Conductors can be reliably inserted into the clamping point without the strands fraying. The use of a reducing sleeve centres the conductor in the entry point.

General ordering data

| | | |
|------------|----------------------------|------------------------------|
| Type | ZRH 1.5S/1 | Version |
| Order No. | 1781950000 | Accessories, Reducing sleeve |
| GTIN (EAN) | 4032248199525 | |
| Qty. | 500 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 5/3.5 MC NE WS | Version |
| Order No. | 1755270000 | Dekafix, Terminal marker, 5 x 3.5 mm, Pitch in mm (P): 3.50 |
| GTIN (EAN) | 4032248017348 | Weidmueller, white |
| Qty. | 500 pc(s). | |