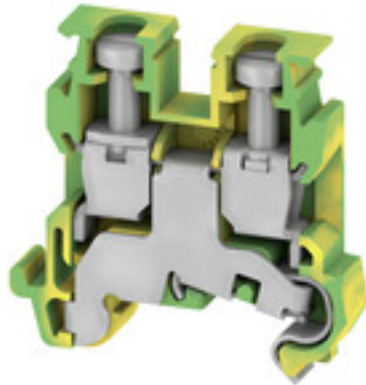


**AKE 2.5****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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, Screw connection, 2.5 mm <sup>2</sup> , 250 V, Number of connections: 2, Number of levels: 1, yellow, green |
| Order No.  | <a href="#">1303360000</a>   |
| Type       | AKE 2.5  |
| GTIN (EAN) | 4008190084950  |
| Qty.       | 100 pc(s).   |

## AKE 2.5

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## Technical data

## Dimensions and weights

|                          |            |                |            |
|--------------------------|------------|----------------|------------|
| Depth                    | 26 mm      | Depth (inches) | 1.024 inch |
| Depth including DIN rail | 28 mm      | Height         | 28 mm      |
| Height (inches)          | 1.102 inch | Width          | 5.1 mm     |
| Width (inches)           | 0.201 inch | Net weight     | 4.374 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. | -60 °C         | Continuous operating temp., max. | 130 °C  |

## Material data

|                           |       |        |               |
|---------------------------|-------|--------|---------------|
| Material                  | Wemid | Colour | yellow, green |
| UL 94 flammability rating | V-2   |        |               |

## Rating data IECEx/ATEX

|                                |   |                                 |                   |
|--------------------------------|---|---------------------------------|-------------------|
| Certificate No. (ATEX)         | TUEV18ATEX8221U   | Certificate No. (IECEX)         | IECEXTUR18.0024U  |
| Wire cross section max. (ATEX) | 4 mm <sup>2</sup>   | Wire cross section max. (IECEX) | 4 mm <sup>2</sup> |
| 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                             | Screw connection, With PE connection, One end without connector | End cover plate required      | Yes |
| Number of potentials                | 1   | Number of levels              | 1   |
| Number of clamping points per level | 2   | Number of potentials per tier | 1   |
| Levels cross-connected internally   | No  | PE connection                 | Yes |
| Rail                                | TS 15   | N-function                    | No  |
| 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            | when screwed in |                     |                 |

## CSA rating data

|                               |                 |                               |        |
|-------------------------------|-----------------|-------------------------------|--------|
| Certificate No. (CSA)         | 200039-2 124451 | Wire cross section max. (CSA) | 12 AWG |
| Wire cross section min. (CSA) | 26 AWG          |                               |        |

## AKE 2.5

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## Technical data

## Conductors for clamping (rated connection)

|   |                      |   |                     |
|---|----------------------|---|---------------------|
| Blade size  | 3.0 x 0.5 mm         | Clamping range, max.  | 4 mm <sup>2</sup>   |
| Clamping range, min.  | 0.13 mm <sup>2</sup> | Clamping screw  | M 2.5               |
| Connection cross-section, stranded, max.  | 2.5 mm <sup>2</sup>  | Connection cross-section, stranded, min.  | 1.5 mm <sup>2</sup> |
| Connection direction  | on side              | Gauge to IEC 60947-1  | A3                  |
| Number of connections   | 2                    | Stripping length  | 7 mm                |
| Tightening torque, max.   | 0.6 Nm               | Tightening torque, min.   | 0.4 Nm              |
| Torque level with DMS electric screwdriver  | 1                    | Twin wire-end ferrules, max.  | 1.5 mm <sup>2</sup> |
| Twin wire-end ferrules, min.  | 0.5 mm <sup>2</sup>  | Type of connection  | Screw connection    |
| Wire connection cross section AWG, max.   | AWG 12               | Wire connection cross section AWG, min.   | AWG 26              |
| Wire connection cross section, finely stranded, max.                                    | 2.5 mm <sup>2</sup>  | Wire connection cross section, finely stranded, min.                                    | 0.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, max. | 2.5 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/1, min. | 0.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm <sup>2</sup>  | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm <sup>2</sup> |
| Wire connection cross-section, solid core, max.   | 4 mm <sup>2</sup>    | Wire connection cross-section, solid core, min.   | 0.5 mm <sup>2</sup> |

## Dimensions

|              |         |
|--------------|---------|
| TS 15 offset | 13.5 mm |
|--------------|---------|

## General

|   |                 |   |        |
|---|-----------------|---|--------|
| Installation advice                     | Direct mounting | Rail                                    | TS 15  |
| Standards                               | IEC 60947-7-2   | Wire connection cross section AWG, max. | AWG 12 |
| Wire connection cross section AWG, min. | AWG 26          |   |        |

## PE rating data

|                          |                              |              |    |
|--------------------------|------------------------------|--------------|----|
| Rated short-time current | 300 A (2.5 mm <sup>2</sup> ) | PEN function | No |
|--------------------------|------------------------------|--------------|----|

## Rating data

|  |                     |  |         |
|--|---------------------|--|---------|
| Rated cross-section                                  | 2.5 mm <sup>2</sup> | Rated voltage to adjoining terminal          | 250 V   |
| Standards  | IEC 60947-7-2       | Volume resistance according to IEC 60947-7-x | 1.33 mΩ |
| Rated impulse withstand voltage to adjacent terminal | 4 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 |  |        |

## AKE 2.5

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## Technical data

## 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 | Lead 7439-92-1                       |
| SCIP       | 4eec2fe2-7c97-45b4-a449-cedde6f345c2 |

## Approvals

Approvals



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

## Downloads

|   |   |
|---|---|
| Approval/Certificate/Document of Conformity | <a href="#">Attestation Of Conformity</a><br><a href="#">UKCA Ex Attestation of Conformity</a><br><a href="#">ATEX Certificate</a><br><a href="#">IECEX Certificate</a><br><a href="#">CB Test Certificate</a><br><a href="#">CB Certificate</a><br><a href="#">CCC Ex Certificate</a><br><a href="#">CSA Certificate</a><br><a href="#">UKCA Ex Certificate</a><br><a href="#">Declaration of Conformity</a><br><a href="#">UKCA declaration of conformity</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>   |
| Engineering Data                            | <a href="#">Zuken E3.S</a>  |
| Product Change Notification                 | <a href="#">PCN_AKZ_20190405</a><br><a href="#">20211111 Color Change of AKE and EK terminals</a>   |
| User Documentation                          | <a href="#">NTI AKZ 1.5</a><br><a href="#">NTI AKZ 2.5</a><br><a href="#">StorageConditionsTerminalBlocks</a>   |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>  |
| Brochures                                   |   |

### AKE 2.5

**Weidmüller Interface GmbH & Co. KG**

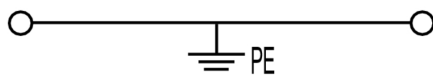
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## Drawings



## AKE 2.5

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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 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 ZA WS 10/5           | Version                    |
| Order No.  | <a href="#">1805520000</a> | Accessories, Marker holder |
| GTIN (EAN) | 4032248270248              |                            |
| Qty.       | 100 pc(s).                 |                            |
| Type       | BZT 1 WS 10/5              | Version                    |
| Order No.  | <a href="#">1805490000</a> | Accessories, Marker holder |
| GTIN (EAN) | 4032248270231              |                            |
| 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 WS           | Version   |
| Order No.  | <a href="#">1609801044</a> | Dekafix, Terminal marker, 5 x 5 mm, Pitch in mm (P): 5.00 |
| GTIN (EAN) | 4008190397111              | Weidmueller, white  |
| Qty.       | 1,000 pc(s).               |   |

## AKE 2.5

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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.  | <a href="#">0180400000</a> | Test adapter (terminal), 20 mA |
| GTIN (EAN) | 4008190060121              |                                |
| Qty.       | 20 pc(s).                  |                                |

## Q / AKZ



Screwable cross-connections are easy to mount and de mount. Thanks to the big contact surface, even high currents can be transmitted with maximum contact reliability.

## General ordering data

|            |                            |   |
|------------|----------------------------|---|
| Type       | Q 2 AKZ1.5                 | Version   |
| Order No.  | <a href="#">0368200000</a> | Cross-connector (terminal), when screwed in, Number of poles: 2,  |
| GTIN (EAN) | 4008190149987              | Pitch in mm (P): 5.10, Insulated: No, 24 A, grey                  |
| Qty.       | 50 pc(s).                  |   |
| Type       | Q 4 AKZ1.5                 | Version   |
| Order No.  | <a href="#">0368400000</a> | Cross-connector (terminal), when screwed in, Number of poles: 4,  |
| GTIN (EAN) | 4008190153892              | Pitch in mm (P): 5.10, Insulated: No, 24 A, grey                  |
| Qty.       | 50 pc(s).                  |   |
| Type       | Q 10 AKZ1.5                | Version   |
| Order No.  | <a href="#">0368500000</a> | Cross-connector (terminal), when screwed in, Number of poles: 10, |
| GTIN (EAN) | 4008190159481              | Pitch in mm (P): 5.10, Insulated: No, 24 A, grey                  |
| Qty.       | 20 pc(s).                  |   |
| Type       | Q 3 AKZ1.5                 | Version   |
| Order No.  | <a href="#">0368300000</a> | Cross-connector (terminal), when screwed in, Number of poles: 3,  |
| GTIN (EAN) | 4008190074913              | Pitch in mm (P): 5.10, Insulated: No, 24 A, grey                  |
| Qty.       | 50 pc(s).                  |   |

## AKE 2.5

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## Accessories

## DEK 5/8



## 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 5/8 MM WS              | Version  |
| Order No.  | <a href="#">2007130000</a> | Dekafix, Terminal marker, 5 x 8 mm, Weidmueller, white |
| GTIN (EAN) | 4050118392012              |  |
| Qty.       | 500 pc(s).                 |  |

## Testsockets



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       | STB 8.5/D4/2.3/M2.5 AKZ    | Version             |
| Order No.  | <a href="#">0215700000</a> | Accessories, Socket |
| GTIN (EAN) | 4008190184872              |                     |
| Qty.       | 50 pc(s).                  |                     |



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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****TS 15**TS 15

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 15/2                    | Version  |
| Order No.  | <a href="#">1071900000</a> | End bracket, Plastic, dark beige, Rail: TS 15, Direct mounting |
| GTIN (EAN) | 4008190462949              |  |
| Qty.       | 50 pc(s).                  |  |
| Type       | EW 15                      | Version  |
| Order No.  | <a href="#">0382860000</a> | End bracket, Polyamide 66, beige, Rail: TS 15, Direct mounting |
| GTIN (EAN) | 4008190187804              |  |
| Qty.       | 50 pc(s).                  |  |