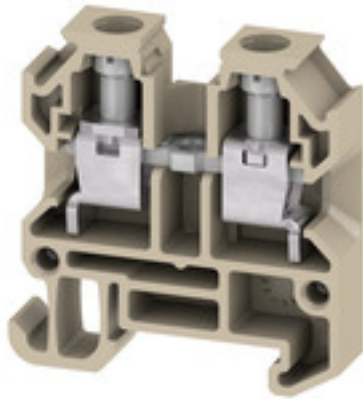


AK 4/O.ZA**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Similar to illustration

To feed through power, signal, and data is the classical requirement in electrical engineering and panel building. The insulating material, the connection system and the design of the terminal blocks are the differentiating features. A feed-through terminal block is suitable for joining and/or connecting one or more conductors. They could have one or more connection levels that are on the same potential or insulated against one another.

General ordering data

| | |
|------------|--|
| Version | Feed-through terminal block, Screw connection, 4 mm ² , 690 V, 32 A, Number of connections: 2 |
| Order No. | 0489560000 |
| Type | AK 4/O.ZA |
| GTIN (EAN) | 4008190049737 |
| Qty. | 100 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|------------|---------|-----------------|------------|
| Depth | 33 mm | Depth (inches) | 1.299 inch |
| Height | 36.5 mm | Height (inches) | 1.437 inch |
| Width | 60 mm | Width (inches) | 2.362 inch |
| Net weight | 6.39 g | | |

Temperatures

| | | | |
|----------------------------------|----------------|----------------------------------|--------|
| Storage temperature | -25 °C...55 °C | Continuous operating temp., min. | -50 °C |
| Continuous operating temp., max. | 100 °C | | |

Material data

| | | | |
|---------------------------|-------|--------|----------------|
| Material | PA 66 | Colour | beige / yellow |
| UL 94 flammability rating | V-2 | | |

System specifications

| | | | |
|-------------------------------------|---|-------------------------------|-----|
| Version | Screw connection, for screwable cross-connection, One end without connector | End cover plate required | Yes |
| Number of potentials | 1 | Number of levels | 1 |
| Number of clamping points per level | 1 | Number of potentials per tier | 1 |
| Levels cross-connected internally | No | PE connection | No |
| Rail | TS 15 | N-function | No |
| PE function | No | PEN function | No |

Additional technical data

| | | | |
|--------------------------|-------|-----------------------------|---------|
| Explosion-tested version | No | Number of similar terminals | 10 |
| Open sides | right | Type of mounting | Snap-on |

Conductors for clamping (additional connection)

| | |
|--|------------------|
| Connection type, additional connection | Screw connection |
|--|------------------|

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Technical data

Conductors for clamping (rated connection)

| | | | |
|---|----------------------|---|---------------------|
| Blade size | 0.6 x 3.5 mm | Clamping range, max. | 6 mm ² |
| Clamping range, min. | 0.13 mm ² | Clamping screw | M 3 |
| Connection cross-section, stranded, max. | 4 mm ² | Connection cross-section, stranded, min. | 1.5 mm ² |
| Connection direction | on side | Gauge to IEC 60947-1 | A3 |
| Number of connections | 2 | Stripping length | 8 mm |
| Tightening torque, max. | 0.8 Nm | Tightening torque, min. | 0.6 Nm |
| Torque level with DMS electric screwdriver | 2 | Twin wire-end ferrules, max. | 1.5 mm ² |
| Twin wire-end ferrules, min. | 0.5 mm ² | Type of connection | Screw connection |
| Wire connection cross section, finely stranded, max. | 4 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. | 2.5 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. | 2.5 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. | 6 mm ² | Wire connection cross-section, solid core, min. | 0.5 mm ² |

Dimensions

| | |
|--------------|-------|
| TS 15 offset | 16 mm |
|--------------|-------|

General

| | | | |
|-----------------|---------------|------|-------|
| Number of poles | 1 | Rail | TS 15 |
| Standards | IEC 60947-7-1 | | |

Rating data

| | | | |
|--|-------------------|---------------------------------|---------------|
| Rated cross-section | 4 mm ² | Rated voltage | 690 V |
| Rated DC voltage | 690 V | Rated current | 32 A |
| Current at maximum wires | 41 A | Standards | IEC 60947-7-1 |
| Volume resistance according to IEC 60947-7-x | 1 mΩ | Rated impulse withstand voltage | 8 kV |
| Power loss in accordance with IEC 60947-7-x | 1.02 W | Pollution severity | 3 |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000897 | ETIM 7.0 | EC000897 |
| ETIM 8.0 | EC000897 | ETIM 9.0 | EC000897 |
| ECLASS 9.0 | 27-14-11-20 | ECLASS 9.1 | 27-14-11-20 |
| ECLASS 10.0 | 27-14-11-20 | ECLASS 11.0 | 27-14-11-20 |
| ECLASS 12.0 | 27-14-11-20 | ECLASS 13.0 | 27-25-01-01 |

Environmental Product Compliance

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

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Technical data

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of Con-
formity

[UKCA declaration of conformity](#)

Engineering Data

[CAD data – STEP](#)

Catalogues

[Catalogues in PDF-format](#)

AK 4/O.ZA**Weidmüller Interface GmbH & Co. KG**

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www.weidmueller.com**Accessories****Screws**

Depending on the terminal block or also accessories, we offer different types of screws as additional items or also spare parts.

General ordering data

| | | |
|------------|----------------------------|---------------------------|
| Type | BFSC M2.5X18 PA/RT | Version |
| Order No. | 0303300000 | Mounting screw (Terminal) |
| GTIN (EAN) | 4008190040673 | |
| Qty. | 100 pc(s). | |

SAK-Series

SAK
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 | AD 4 AKZ4 | Version |
| Order No. | 0303400000 | Terminal cover, PVC, yellow, Height: 24.2 mm, Width: 20 mm, Depth: |
| GTIN (EAN) | 4008190068158 | 1 mm |
| Qty. | 50 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). | |

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. | 0215700000 | Accessories, Socket |
| GTIN (EAN) | 4008190184872 | |
| Qty. | 50 pc(s). | |

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Accessories

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 3 AKZ1.5 | Version |
| Order No. | 0368300000 | 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). | |
| Type | Q 2 AKZ1.5 | Version |
| Order No. | 0368200000 | 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 10 AKZ1.5 | Version |
| Order No. | 0368500000 | 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 10 AKZ4SS | Version |
| Order No. | 0369300000 | Cross-connector (terminal), when screwed in, Number of poles: 10, |
| GTIN (EAN) | 4008190065744 | Pitch in mm (P): 5.10, Insulated: No, 32 A, grey |
| Qty. | 20 pc(s). | |
| Type | Q 2 AKZ4SS | Version |
| Order No. | 0369000000 | Cross-connector (terminal), when screwed in, Number of poles: 2, |
| GTIN (EAN) | 4008190143589 | Pitch in mm (P): 5.10, Insulated: No, 32 A, grey |
| Qty. | 50 pc(s). | |
| Type | Q 3 AKZ4 | Version |
| Order No. | 0336500000 | Cross-connector (terminal), when screwed in, Number of poles: 3, |
| GTIN (EAN) | 4008190121730 | Pitch in mm (P): 6.10, Insulated: No, 24 A, grey |
| Qty. | 50 pc(s). | |
| Type | Q 4 AKZ1.5 | Version |
| Order No. | 0368400000 | 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 2 AKZ4 | Version |
| Order No. | 0336400000 | Cross-connector (terminal), when screwed in, Number of poles: 2, |
| GTIN (EAN) | 4008190037680 | Pitch in mm (P): 6.10, Insulated: No, 24 A, grey |
| Qty. | 50 pc(s). | |
| Type | Q 4 AKZ4 | Version |
| Order No. | 0336600000 | Cross-connector (terminal), when screwed in, Number of poles: 4, |
| GTIN (EAN) | 4008190096656 | Pitch in mm (P): 6.10, Insulated: No, 24 A, grey |
| Qty. | 50 pc(s). | |

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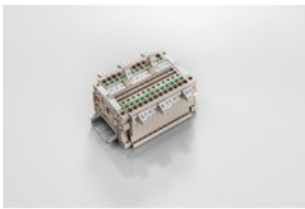
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Accessories

| | | |
|------------|----------------------------|---|
| Type | Q 10 AKZ4 | Version |
| Order No. | 0368600000 | Cross-connector (terminal), when screwed in, Number of poles: 10, |
| GTIN (EAN) | 4008190056766 | Pitch in mm (P): 6.10, Insulated: No, 24 A, grey |
| Qty. | 20 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 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). | |