

AK 4 - Connection terminal block



0404017

<https://www.phoenixcontact.com/in/products/0404017>

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Connection terminal block, connection method: Screw connection, Rated cross section: 4 mm², cross section: 0.5 mm² - 6 mm², mounting: Neutral busbar, color: silver

Commercial Data

| | |
|--------------------------------------|---------------------|
| Item number | 0404017 |
| Packing unit | 50 pc |
| Minimum order quantity | 50 pc |
| Sales Key | BE7 |
| Product Key | BE7331 |
| Catalog Page | Page 554 (C-3-2019) |
| GTIN | 4017918001841 |
| Weight per Piece (including packing) | 4.87 g |
| Weight per Piece (excluding packing) | 4.87 g |
| Customs tariff number | 85369010 |
| Country of origin | IN |

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Technical Data

Product properties

| | |
|-----------------------|-------------------|
| Product type | Pick-off terminal |
| Number of connections | 1 |
| Number of rows | 1 |

Electrical properties

| | |
|---|--------|
| Maximum load current | 41 A |
| Maximum power dissipation for nominal condition | 1.02 W |
| Nominal current I_N | 32 A |
| Current carrying capacity of the neutral busbar | 140 A |

Connection data

| | |
|-----------------------|-------------------|
| Nominal cross section | 4 mm ² |
| Maximum load current | 41 A |

Level 1 above 1 below 1

| | |
|--|---|
| Screw thread | M4 |
| Tightening torque | 1.5 ... 1.8 Nm |
| Stripping length | 16 mm |
| Connection in acc. with standard | IEC 60947-7-1 |
| Conductor cross section rigid | 0.5 mm ² ... 6 mm ² |
| Cross section AWG | 20 ... 10 (converted acc. to IEC) |
| Conductor cross section flexible | 0.5 mm ² ... 4 mm ² |
| Conductor cross section, flexible [AWG] | 20 ... 12 (converted acc. to IEC) |
| 2 conductors with same cross section, solid | 0.5 mm ² ... 2.5 mm ² |
| 2 conductors with same cross section, flexible | 0.5 mm ² ... 2.5 mm ² |
| Nominal cross section | 4 mm ² |

Dimensions

| | |
|--------|---------|
| Width | 7 mm |
| Height | 23.6 mm |
| Length | 16 mm |

Material specifications

| | |
|-------|--------|
| Color | silver |
|-------|--------|

Electrical tests

| | |
|--------|-------------|
| Result | Test passed |
|--------|-------------|

Mechanical tests

Mechanical strength

| | |
|--------|-------------|
| Result | Test passed |
|--------|-------------|

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Standards and regulations

Connection in acc. with standard

IEC 60947-7-1

Mounting

Mounting type

Neutral busbar

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Approvals



EAC

Approval ID: RU C-DE.BL08.B.00534



cULus Recognized

Approval ID: E60425

| | Nominal Voltage U_N | Nominal Current I_N | Cross Section AWG | Cross Section mm^2 |
|----------------|-----------------------|-----------------------|-------------------|-----------------------------|
| Use group B | | | | |
| Field wiring | - | 20 A | 22 - 12 | - |
| Factory wiring | - | 30 A | - 10 | - |
| Use group C | | | | |
| Field wiring | - | 20 A | 22 - 12 | - |
| Factory wiring | - | 30 A | - 10 | - |
| Use group F | | | | |
| Field wiring | - | 20 A | 22 - 12 | - |
| Factory wiring | - | 30 A | - 10 | - |

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 27141146 |
| ECLASS-12.0 | 27141146 |
| ECLASS-13.0 | 27250116 |

ETIM

| | |
|----------|----------|
| ETIM 8.0 | EC000001 |
|----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 31162900 |
|-------------|----------|

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Environmental Product Compliance


| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

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Accessories

 Note: Applying some accessories below might limit this product.


NLS-CU 3/10 SN 1000MM - Neutral busbar

0402174

<https://www.phoenixcontact.com/in/products/0402174>



Neutral busbar, DIN VDE 0611-4: 1991-02, material: Copper, tin-plated, color: silver

 Max. current carrying capacity: 140 A

UAB 1 - Support bracket

3032431

<https://www.phoenixcontact.com/in/products/3032431>



Support bracket, number of positions: 1, mounting type: DIN rail mounting, color: gray

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ABN 2/SS - Support bracket

0404460

<https://www.phoenixcontact.com/in/products/0404460>



Double support bracket, insulating material, optionally for use with 3 x 10 mm or 6 x 6 mm busbar, height in closed state: 39 mm

AB2/SS - Support bracket

0404431

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Double support bracket, insulating material, optionally for use with 3 mm x 10 mm or 6 mm x 6 mm busbar, height: 48 mm

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AB/SS - Support bracket

0404428

<https://www.phoenixcontact.com/in/products/0404428>



Support bracket made from insulation material, with retaining screw, can be used with either 3 x 10 mm or 6 x 6 mm busbar, color: gray

SF-SL 0,8X4,0-100 S-VDE - Screwdriver

1212588

<https://www.phoenixcontact.com/in/products/1212588>



Actuation tool, for ST terminal blocks, VDE insulated, with slimmer insulation integrated in the blade, also suitable for use as a bladed screwdriver, size: 0.8 x 4.0 x 100 mm, 2-component grip, with non-slip grip

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NLS-CU 6/ 6 SN 1000MM - Neutral busbar

0402161

<https://www.phoenixcontact.com/in/products/0402161>



Neutral busbar, material: Copper, tin-plated, color: silver

ZB 5 :UNBEDRUCKT - Zack marker strip

1050004

<https://www.phoenixcontact.com/in/products/1050004>



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 5.2 mm, lettering field size: 5.1 x 10.5 mm, Number of individual labels: 10

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ZB 5 CUS - Zack marker strip

0824962

<https://www.phoenixcontact.com/in/products/0824962>



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 5.2 mm, lettering field size: 5.15 x 10.5 mm, Number of individual labels: 10

ZB 5,LGS:FORTL.ZAHLEN - Zack marker strip

1050017

<https://www.phoenixcontact.com/in/products/1050017>



Zack marker strip, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 491 ... 500, mounting type: snapped, for terminal block width: 5.2 mm, lettering field size: 5.15 x 10.5 mm, Number of individual labels: 10

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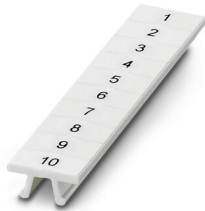
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ZB 5,QR:FORTL.ZAHLEN - Zack marker strip

1050020

<https://www.phoenixcontact.com/in/products/1050020>



Zack marker strip, white, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 491 ... 500, mounting type: snapped, for terminal block width: 5.2 mm, lettering field size: 5.15 x 10.5 mm

ZB 5,LGS:GLEICHE ZAHLEN - Zack marker strip

1050033

<https://www.phoenixcontact.com/in/products/1050033>



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: Identical numbers 1 or 2, etc. up to 100, mounting type: snapped, for terminal block width: 5.2 mm, lettering field size: 5.15 x 10.5 mm, Number of individual labels: 10

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ZB 5,LGS:L1-N,PE - Zack marker strip

1050415

<https://www.phoenixcontact.com/in/products/1050415>



Zack marker strip, Strip, white, labeled, horizontal: L1, L2, L3, N, PE, L1, L2, L3, N, PE, mounting type: snapped, for terminal block width: 5.2 mm, lettering field size: 5.15 x 10.5 mm, Number of individual labels: 10

UC-TM 5 - Marker for terminal blocks

0818108

<https://www.phoenixcontact.com/in/products/0818108>



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 5.2 mm, lettering field size: 4.6 x 10.5 mm, Number of individual labels: 96

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UC-TM 5 CUS - Marker for terminal blocks

0824581

<https://www.phoenixcontact.com/in/products/0824581>



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 5.2 mm, lettering field size: 10.5 x 4.6 mm, Number of individual labels: 96

UCT-TM 5 - Marker for terminal blocks

0828734

<https://www.phoenixcontact.com/in/products/0828734>



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped, for terminal block width: 5.2 mm, lettering field size: 4.6 x 10.5 mm, Number of individual labels: 72

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UCT-TM 5 CUS - Marker for terminal blocks

0829595

<https://www.phoenixcontact.com/in/products/0829595>



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 5.2 mm, lettering field size: 4.6 x 10.5 mm, Number of individual labels: 72

GBS 5-25X12 - Group marker label for terminal marking

0810588

<https://www.phoenixcontact.com/in/products/0810588>



Group marker label, snaps onto terminal center for screw, spring-cage and quick connection terminal blocks, labeled with a 25 x 12 mm label or manually with the B-STIFT, in the foot part with ZB 5

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GBS 5-25X5 - Group marker label for terminal marking

0829126

<https://www.phoenixcontact.com/in/products/0829126>



Group marking label, can be snapped into terminal center for screw, spring-cage, push-in, and fast connection terminal blocks, can be labeled with a 24 x 4 mm label or manually using B-STIFT, in the foot part with ZB 5

STP 5-2-ZB - Marker carriers

3037643

<https://www.phoenixcontact.com/in/products/3037643>



Marker carriers, snaps into ST 2,5 spring-cage terminal blocks, can be marked with UC-TM 5, UC-TMF 5, UCT-TM 5, UCT-TMF 5, ZB 5, or ZBF 5, gray, unlabeled, mounting type: plug in

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