

# AK 4 - Connection terminal block



0404017

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

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Connection terminal block, connection method: Screw connection, Rated cross section: 4 mm<sup>2</sup>, cross section: 0.5 mm<sup>2</sup> - 6 mm<sup>2</sup>, mounting: Neutral busbar, color: silver

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 0404017             |
| Packing unit                         | 50 pc               |
| Minimum order quantity               | 50 pc               |
| Sales key                            | BE73                |
| Product key                          | BE7331              |
| Catalog page                         | Page 554 (C-3-2019) |
| GTIN                                 | 4017918001841       |
| Weight per piece (including packing) | 4.872 g             |
| Weight per piece (excluding packing) | 4.872 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 <sup>2</sup> |
| 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 <sup>2</sup> ... 6 mm <sup>2</sup>   |
| Cross section AWG                              | 20 ... 10 (converted acc. to IEC)           |
| Conductor cross section flexible               | 0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>   |
| Conductor cross section, flexible [AWG]        | 20 ... 12 (converted acc. to IEC)           |
| 2 conductors with same cross section, solid    | 0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| 2 conductors with same cross section, flexible | 0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| Nominal cross section                          | 4 mm <sup>2</sup>                           |

### Dimensions

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

### Material specifications

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

### Electrical tests

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

### Mechanical tests

Mechanical strength

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

## Standards and regulations

|                                  |               |
|----------------------------------|---------------|
| Connection in acc. with standard | IEC 60947-7-1 |
|----------------------------------|---------------|

## Mounting

|               |                |
|---------------|----------------|
| Mounting type | Neutral busbar |
|---------------|----------------|

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## Classifications

### ECLASS

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

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC000001 |
|----------|----------|

### UNSPSC

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

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## Environmental product compliance

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

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