

# 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        |
| GTIN                                 | 4017918001841 |
| Weight per piece (including packing) | 4.88 g        |
| Weight per piece (excluding packing) | 4.127 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  |
| Connection method   | Screw connection                            |
| 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)           |
| Conductor cross-section flexible (ferrule without plastic sleeve)                         | 0.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>   |
| Flexible conductor cross-section (ferrule with plastic sleeve)                            | 0.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>   |
| 2 conductors with same cross section, rigid   | 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> |
| 2 conductors with same cross section, flexible, with ferrule without plastic sleeve       | 0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 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-colored |
|-------|----------------|

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## Electrical tests

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

## Mechanical tests

### Mechanical strength

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

## Standards and regulations

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

## Mounting

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

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/0404017>



**EAC**

Approval ID: KZ7500651131219505



**cULus Recognized**

Approval ID: E60425

|                | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|----------------|-----------------------|-----------------------|-------------------|-----------------------------|
| <b>B</b>       |                       |                       |                   |                             |
| Field wiring   | -                     | 20 A                  | 22 - 12           | -                           |
| Factory wiring | -                     | 30 A                  | - 10              | -                           |
| <b>C</b>       |                       |                       |                   |                             |
| Field wiring   | -                     | 20 A                  | 22 - 12           | -                           |
| Factory wiring | -                     | 30 A                  | - 10              | -                           |
| <b>F</b>       |                       |                       |                   |                             |
| Field wiring   | -                     | 20 A                  | 22 - 12           | -                           |
| Factory wiring | -                     | 30 A                  | - 10              | -                           |

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27250116 |
| ECLASS-15.0 | 27250116 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC000001 |
|-----------|----------|

### UNSPSC

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

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## Environmental product compliance

### EU RoHS

|   |                    |
|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

### China RoHS

|  |  |
|--|--|
| Environment friendly use period (EFUP) | EFUP-E                                   |
|  | No hazardous substances above the limits |

### EU REACH SVHC

|                                     |                            |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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