



### Highlights

2 to 12 poles

2 and 3 pole modules

Spacing 5.0 mm

Lift type

Wire entry 45° to PCB

24 A with 2.5 mm<sup>2</sup> wire

### Wire Sizes

Solid min 0.14 mm<sup>2</sup>

Solid max 2.5 mm<sup>2</sup>

Stranded (flexible) min 0.14 mm<sup>2</sup>

Stranded (flexible) max 1.5 mm<sup>2</sup>

Stranded with ferrule min 0.25 mm<sup>2</sup>

Stranded with ferrule max 1.5 mm<sup>2</sup>

### Dimensions

Stripped length 7.0 mm

PCB hole diameter 1.3 mm

### Materials

Clamp Brass

Screw Steel

Solder tab Copper Alloy

### Insulating Material

Material PA 6.6

Flammability class UL 94 V-0

### Temperatures

Operating temperature -40 °C (without mech. load) - 105 °C

Store temperature -40 °C - 105 °C

### Wave Soldering Process

Soldering temperature, recommended 260 °C

Peak soldering time, recommended 3-4 s

**Technical Data // AK300/..-5.0-GREY**

Spacing 5.0 mm

**Reflow Process**

Soldering temperature, recommended -

Peak soldering time, recommended -

**Colours**

GREY, RAL 7016

GREEN, RAL 6018

BLUE, RAL 5015

Colours according to RAL, there may be variations on colour due to production conditions.  
Special colours on request.**Ratings**

| UseGroup              | B         | C | D         |                     |                     |
|-----------------------|-----------|---|-----------|---------------------|---------------------|
| Rated voltage         | 300 V     | - | 300 V     | 250 V               |                     |
| Rated current         | 15 A      | - | 10 A      | 24 A                |                     |
| Rated wire size       |           |   |           | min                 | max                 |
| - solid               | AWG 22-12 | - | AWG 22-12 | 0.5 mm <sup>2</sup> | 2.5 mm <sup>2</sup> |
| - stranded            | -         | - | -         | -                   | -                   |
| - stranded (flexible) | AWG 22-12 | - | AWG 22-12 | 0.5 mm <sup>2</sup> | 1.5 mm <sup>2</sup> |
| Torque                | 0.40 Nm   | - | 0.40 Nm   | 0.40 Nm             |                     |
| Screw size            | M2.6      | - | M2.6      | M2.6                |                     |
| Test voltage          | 1.60 kV   | - | 1.60 kV   | 2.0 kV              |                     |

**Accessoires**

| Figure  | Designation  | Article Number       |
|---|--|----------------------|
|  | Bridge, 2-pole, insulated, BRI/2-5.0/5.08-LIGHT GREY | Art.-Nr. 50000000006 |
|  | Bridge, 3-pole, insulated, BRI/3-5.0/5.08-LIGHT GREY | Art.-Nr. 50000000007 |
|  | Bridge, 2-pole, BR/2-5.0/5.08-L7.0                   | Art.-Nr. 50000000008 |



Technical Data // **AK300/..-5.0-GREY**

Spacing 5.0 mm

Order Data (Spacing 5.0 mm)

| Number of Poles | Width (mm) | Article Designation | Article Number | PU  |
|-----------------|------------|---------------------|----------------|-----|
| 2               | 10.60      | AK300/2-5.0-GREY    | 50300020041 F  | 200 |
| 3               | 15.60      | AK300/3-5.0-GREY    | 50300030041 F  | 200 |
| 4               | 20.60      | AK300/4-5.0-GREY    | 50300040041 F  | 200 |
| 5               | 25.60      | AK300/5-5.0-GREY    | 50300050041 F  | 200 |
| 6               | 30.60      | AK300/6-5.0-GREY    | 50300060041 F  | 200 |
| 7               | 35.60      | AK300/7-5.0-GREY    | 50300070041 E  | 100 |
| 8               | 40.60      | AK300/8-5.0-GREY    | 50300080041 E  | 100 |
| 9               | 45.60      | AK300/9-5.0-GREY    | 50300090041 E  | 100 |
| 10              | 50.60      | AK300/10-5.0-GREY   | 50300100041 D  | 50  |
| 11              | 55.60      | AK300/11-5.0-GREY   | 50300110041 D  | 50  |
| 12              | 60.60      | AK300/12-5.0-GREY   | 50300120041 D  | 50  |

Technical drawing

