



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 mm² wire

Wire Sizes

Solid min 0.14 mm²

Solid max 2.5 mm²

Stranded (flexible) min 0.14 mm²

Stranded (flexible) max 1.5 mm²

Stranded with ferrule min 0.25 mm²

Stranded with ferrule max 1.5 mm²

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


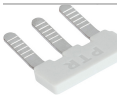

GREEN, RAL 6018

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 ² | 2.5 mm ² |
| - stranded | - | - | - | - | - |
| - stranded (flexible) | AWG 22-12 | - | AWG 22-12 | 0.5 mm ² | 1.5 mm ² |
| 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

