



### Highlights

- 2 to 12 poles
- 2 and 3 pole modules
- Spacing 5.0 mm
- Wire guard type
- Wire entry vertical to PCB
- Test jack on every clamping point
- 24 A with 2.5 mm<sup>2</sup> wire

### Wire Sizes

Solid min	0.2 mm <sup>2</sup>
Solid max	2.5 mm <sup>2</sup>
Stranded (flexible) min	0.2 mm <sup>2</sup>
Stranded (flexible) max	2.5 mm <sup>2</sup>
Stranded with ferrule min	0.2 mm <sup>2</sup>
Stranded with ferrule max	2.5 mm <sup>2</sup>

### Dimensions

Stripped length	6.0 mm
PCB hole diameter	1.3 mm

### Materials

Clamp	Brass
Wire guard	Stainless Steel
Screw	Steel

### 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

**Technical Data // AK100/..DS-5.0-H-GREY**

Spacing 5.0 mm

**Wave Soldering Process**

Soldering temperature, recommended 260 °C

Peak soldering time, recommended 3-4 s

**Reflow Process**

Soldering temperature, recommended -



Peak soldering time, recommended -

**Colours**




GREY, RAL 7016

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	20 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>	2.5 mm <sup>2</sup>
Torque	0.45 Nm	-	0.45 Nm		0.50 Nm
Screw size	M3	-	M3		M3
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 // **AK100/..DS-5.0-H-GREY**

Spacing 5.0 mm

**Order Data (Spacing 5.0 mm)**

Number of Poles	Width (mm)	Article Designation	Article Number	PU
2	10.70	AK100/2DS-5.0-H-GREY	50100020150 G	250
3	15.70	AK100/3DS-5.0-H-GREY	50100030150 G	250
4	20.70	AK100/4DS-5.0-H-GREY	50100040150 G	250
5	25.70	AK100/5DS-5.0-H-GREY	50100050150 G	250
6	30.70	AK100/6DS-5.0-H-GREY	50100060150 F	200
7	35.70	AK100/7DS-5.0-H-GREY	50100070150 F	200
8	40.70	AK100/8DS-5.0-H-GREY	50100080150 E	100
9	45.70	AK100/9DS-5.0-H-GREY	50100090150 E	100
10	50.70	AK100/10DS-5.0-H-GREY	50100100150 E	100
11	55.70	AK100/11DS-5.0-H-GREY	50100110150 E	100
12	60.70	AK100/12DS-5.0-H-GREY	50100120150 E	100

**Technical drawing**

