



#### 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	7.0 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 (without mech. load)	-40 °C - 105 °C
Store temperature	-40 °C - 105 °C

#### Wave Soldering Process

Soldering temperature, recommended	260 °C
Peak soldering time, recommended	3-4 s

#### Reflow Process

Soldering temperature, recommended	-
Peak soldering time, recommended	-

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

Spacing 5.0 mm

**Colours**

GREY, RAL 7016

BLACK, RAL 9011

BLUE, RAL 5015

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

UseGroup	cUL <sup>®</sup> US			VDE		
	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	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	Order Data: 50000000006
	Bridge, 3-pole, insulated, BRI/3-5.0/5.08-LIGHT GREY	Order Data: 50000000007
	Bridge, 2-pole, BR/2-5.0/5.08-L7.0	Order Data: 50000000008



Technical Data // **AK100/..DS-5.0-V-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-V-GREY	50100020121 G	250
3	15.70	AK100/3DS-5.0-V-GREY	50100030121 G	250
4	20.70	AK100/4DS-5.0-V-GREY	50100040121 G	250
5	25.70	AK100/5DS-5.0-V-GREY	50100050121 G	250
6	30.70	AK100/6DS-5.0-V-GREY	50100060121 F	200
7	35.70	AK100/7DS-5.0-V-GREY	50100070121 F	200
8	40.70	AK100/8DS-5.0-V-GREY	50100080121 E	100
9	45.70	AK100/9DS-5.0-V-GREY	50100090121 E	100
10	50.70	AK100/10DS-5.0-V-GREY	50100100121 E	100
11	55.70	AK100/11DS-5.0-V-GREY	50100110121 E	100
12	60.70	AK100/12DS-5.0-V-GREY	50100120121 E	100

**Technical drawing**

