



Wire Sizes

Solid min	0.08 mm ²
Solid max	1.5 mm ²
Stranded (flexible) min	0.08 mm ²
Stranded (flexible) max	1.0 mm ²
Stranded with ferrule min	0.14 mm ²
Stranded with ferrule max	0.5 mm ²

Dimensions

Stripped length	5.5 mm
PCB hole diameter	1.2 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	-

Spacing 7.0 mm

Colours

GREY, RAL 7016

GREEN, RAL 6018

LIGHT GREEN, similar RAL 6018

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	150 V	300 V	450 V	
Rated current	6 A	6 A	6 A	13.5 A	
Rated wire size				min	max
- solid	AWG 28-16	AWG 28-16	AWG 28-16	0.5 mm ²	1.0 mm ²
- stranded	AWG 28-16	AWG 28-16	AWG 28-16	0.5 mm ²	1.0 mm ²
Torque	0.25 Nm	0.25 Nm	0.25 Nm	0.20 Nm	
Screw size	M2	M2	M2	M2	
Test voltage	1.60 kV	1.30 kV	1.60 kV	2.5 kV	

Accessoires

Figure	Designation	Article Number
	Bridge, 2-pole, insulated, BRI/2-7.0/7.62-L7.5-LIGHT GREY	Order Data: 50000000018

Order Data (Spacing 7.0 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
2	10.50	AK550/2DS-7.0-H-GREY	50550020240 G	250
3	17.50	AK550/3DS-7.0-H-GREY	50550030240 G	250
4	24.50	AK550/4DS-7.0-H-GREY	50550040240 G	250
5	31.50	AK550/5DS-7.0-H-GREY	50550050240 E	100
6	38.50	AK550/6DS-7.0-H-GREY	50550060240 D	50
7	45.50	AK550/7DS-7.0-H-GREY	50550070240 D	50
8	52.50	AK550/8DS-7.0-H-GREY	50550080240 D	50



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Technical Data // **AK550/..DS-7.0-H-GREY**

Spacing 7.0 mm

Technical drawing

