



Highlights

2 to 16 poles

Single mold

Spacing 3.5 mm

Wire guard type

Wire entry parallel to PCB

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	-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

Spacing 3.5 mm

Reflow Process

Soldering temperature, recommended	-
Peak soldering time, recommended	-

Colours

GREY, RAL 7016

PEBBLE GREY, RAL 7032

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	125 V	-	-	130 V	
Rated current	6 A	-	-	13.5 A	
Rated wire size				min	max
- solid	AWG 28-16	-	-	0.5 mm ²	1.0 mm ²
- stranded	AWG 28-16	-	-	0.5 mm ²	1.0 mm ²
Torque	0.25 Nm	-	-	0.20 Nm	
Screw size	M2	-	-	M2	
Test voltage	1.25 kV	-	-	1.25 kV	

Accessoires

Figure	Designation	Article Number
	Bridge, 2-pole, insulated, BRI/2-7.0/7.62-L7.5-LIGHT GREY	Order data: 50000000018
	Bridge, 2-pole, angled, BR/2-3.5/3.81-H-L7.5	Order data: 50000000029
	Bridge, 2-pole, BR/2-3.5/3.81-L7.5	Order data: 50000000015
	Bridge, 3-pole, BR/3-3.5/3.81-L7.5	Order data: 50000000016



Spacing 3.5 mm

Order Data (Spacing 3.5 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
2	7.00	AK550/2DS-3.5-V-GREY	50550020121 G	250
3	10.50	AK550/3DS-3.5-V-GREY	50550030121 G	250
4	14.00	AK550/4DS-3.5-V-GREY	50550040121 G	250
5	17.50	AK550/5DS-3.5-V-GREY	50550050121 G	250
6	21.00	AK550/6DS-3.5-V-GREY	50550060121 G	250
7	24.50	AK550/7DS-3.5-V-GREY	50550070121 G	250
8	28.00	AK550/8DS-3.5-V-GREY	50550080121 E	100
9	31.50	AK550/9DS-3.5-V-GREY	50550090121 E	100
10	35.00	AK550/10DS-3.5-V-GREY	50550100121 D	50
11	38.50	AK550/11DS-3.5-V-GREY	50550110121 D	50
12	42.00	AK550/12DS-3.5-V-GREY	50550120121 D	50
13	45.50	AK550/13DS-3.5-V-GREY	50550130121 D	50
14	49.00	AK550/14DS-3.5-V-GREY	50550140121 D	50
15	52.50	AK550/15DS-3.5-V-GREY	50550150121 D	50
16	56.00	AK550/16DS-3.5-V-GREY	50550160121 D	50

Technical drawing

