



Highlights

2 to 16 poles

Single mold

Spacing 3.5 mm

Wire guard type

Wire entry vertical 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

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	-	-	-	-	-
- stranded (flexible)	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	Art.-Nr. 50000000018
	Bridge, 2-pole, angled, BR/2-3.5/3.81-H-L7.5	Art.-Nr. 50000000029
	Bridge, 2-pole, BR/2-3.5/3.81-L7.5	Art.-Nr. 50000000015
	Bridge, 3-pole, BR/3-3.5/3.81-L7.5	Art.-Nr. 50000000016



Technical Data // AK550/..DS-3.5-H-GREY

PTR HARTMANN

A Phoenix Mecano Company

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-H-GREY	50550020171 G	250
3	10.50	AK550/3DS-3.5-H-GREY	50550030171 G	250
4	14.00	AK550/4DS-3.5-H-GREY	50550040171 G	250
5	17.50	AK550/5DS-3.5-H-GREY	50550050171 G	250
6	21.00	AK550/6DS-3.5-H-GREY	50550060171 G	250
7	24.50	AK550/7DS-3.5-H-GREY	50550070171 G	250
8	28.00	AK550/8DS-3.5-H-GREY	50550080171 E	100
9	31.50	AK550/9DS-3.5-H-GREY	50550090171 E	100
10	35.00	AK550/10DS-3.5-H-GREY	50550100171 D	50
11	38.50	AK550/11DS-3.5-H-GREY	50550110171 D	50
12	42.00	AK550/12DS-3.5-H-GREY	50550120171 D	50
13	45.50	AK550/13DS-3.5-H-GREY	50550130171 D	50
14	49.00	AK550/14DS-3.5-H-GREY	50550140171 D	50
15	52.50	AK550/15DS-3.5-H-GREY	50550150171 D	50
16	56.00	AK550/16DS-3.5-H-GREY	50550160171 D	50

Technical drawing

