PTR HARTMANN
A Phoenix Mecano Company

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 mm²
Solid max	1.5 mm²
Stranded (flexible) min	0.08 mm²
Stranded (flexible) max	1.0 mm²
Stranded with ferrule min	0.14 mm²
Stranded with ferrule max	0.5 mm²
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

		c UL us			VDE
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 mm²	1.0 mm²
- stranded	-	-	-	-	-
- stranded (flexible)	AWG 28-16	-	-	0.5 mm²	1.0 mm²
Torque	0.25 Nm	-	-		0.20 Nm
Screw size	M2	-	-		M2
Test voltage	1.25 kV	-	-		1.25 kV

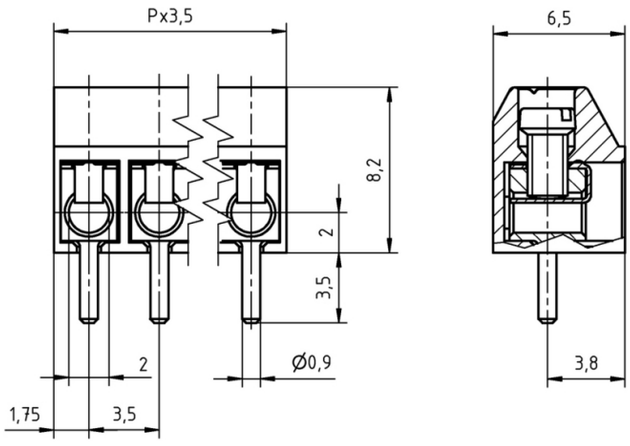
Accessoires

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

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-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