PTR HARTMANN
A Phoenix Mecano Company

Highlights	
1 to n poles	
1 pole module	
Push-In connection	
Spacing 7.5 mm	
Wire entry parallel to PCB	
With two soldering pins	
41 A with 6.0 mm² wire	
Available in green-yellow marbled	
Wire Sizes	
Solid min	0.2 mm²
Solid max	10.0 mm²
Stranded min	0.2 mm²
Stranded max	10.0 mm²
Stranded (flexible) min	0.2 mm²
Stranded (flexible) max	10.0 mm²
Stranded with ferrule min	0.25 mm²
Stranded with ferrule max	6.0 mm²
Dimensions	
Stripped length	15.0 mm
PCB hole diameter	2.1 mm
Materials	
Solder tab	Copper Alloy
Clamp spring	Stainless 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

Spacing 7.5 mm

Wave Soldering Process

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

Reflow Process

Soldering temperature, recommended	-
Peak soldering time, recommended	-

Colours

BASALT GREY, RAL 7012

BLACK, RAL 9011

LIGHT GREEN, similar RAL 6018

GREEN, RAL 6018

BLUE, RAL 5015

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	300 V	300 V	300 V	450 V	
Rated current	35 A	35 A	10 A	41 A	
Overvoltage category				III	
Rated wire size				min	max
- solid	AWG 24-8	AWG 24-8	AWG 24-8	0.2 mm²	6.0 mm²
- stranded		AWG 24-8	AWG 24-8	0.2 mm²	10.0 mm²
- stranded (flexible)	AWG 24-8	AWG 24-8	AWG 24-8	0.2 mm²	10.0 mm²
Test voltage	1.60 kV	1.60 kV	1.60 kV	2.5 kV	

Accessoires

Figure	Designation	Article Number
	Spacer SPC-AK4210-H-baGY	Art.-Nr. 54210000000

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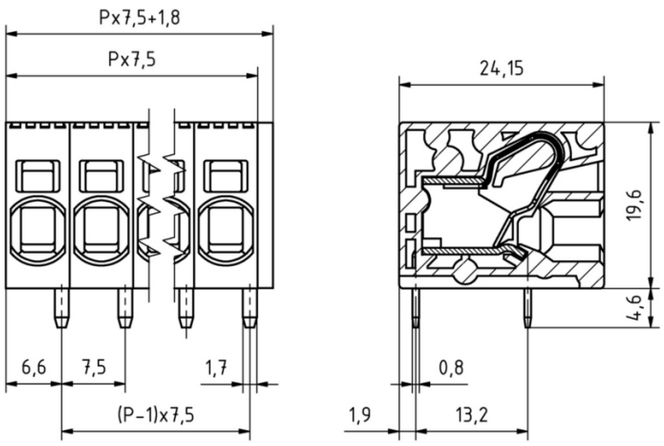
Spacing 7.5 mm

Order Data (Spacing 7.5 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
1	9.25	AK4210/1-7.5-H-baGY	54210010551 E	100
2	16.75	AK4210/2-7.5-H-baGY	54210020551 D	50
3	24.25	AK4210/3-7.5-H-baGY	54210030551 D	50
4	31.75	AK4210/4-7.5-H-baGY	54210040551 D	50
5	39.25	AK4210/5-7.5-H-baGY	54210050551 D	50
6	46.75	AK4210/6-7.5-H-baGY	54210060551 D	50
7	54.25	AK4210/7-7.5-H-baGY	54210070551 D	50
8	61.75	AK4210/8-7.5-H-baGY	54210080551 D	50
9	69.25	AK4210/9-7.5-H-baGY	54210090551 D	50
10	76.75	AK4210/10-7.5-H-baGY	54210100551 D	50
11	84.25	AK4210/11-7.5-H-baGY	54210110551 D	50
12	91.75	AK4210/12-7.5-H-baGY	54210120551 D	50

Technical drawing