PTR HARTMANN
A Phoenix Mecano Company

Highlights	
1 to n poles	
1 pole module	
Push-In connection	
Spacing 7.5 mm	
Wire entry vertical 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

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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

TRAFFIC GREY, RAL 7042

BLACK, RAL 9011

LIGHT GREEN, similar RAL 6018

GREEN, RAL 6018

GREEN/YELLOW, RAL 6018 - 1018/S

BLUE, RAL 5015

Colours according to RAL, there may be variations on colour due to production conditions.
Special colours on request.

Ratings

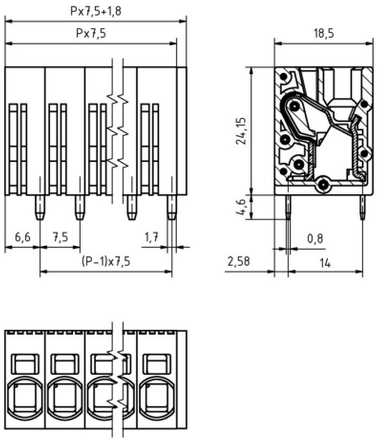
		c UL us			VDE	
UseGroup	B	C	D			
Rated voltage	300 V	300 V	300 V		450 V	
Rated current	35 A	35 A	10 A		41 A	
Overvoltage category					III	
Rated wire size				min		max
- solid	AWG 24-8	AWG 24-8	AWG 24-8	0.2 mm²		6.0 mm²
- stranded		AWG 24-8	AWG 24-8	0.2 mm²		10.0 mm²
- stranded (flexible)	AWG 24-8	AWG 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-V-baGY	Art.-Nr. 54210000001

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-V-baGY	54210010521 E	100
2	16.75	AK4210/2-7.5-V-baGY	54210020521 D	50
3	24.25	AK4210/3-7.5-V-baGY	54210030521 D	50
4	31.75	AK4210/4-7.5-V-baGY	54210040521 D	50
5	39.25	AK4210/5-7.5-V-baGY	54210050521 D	50
6	46.75	AK4210/6-7.5-V-baGY	54210060521 D	50
7	54.25	AK4210/7-7.5-V-baGY	54210070521 D	50
8	61.75	AK4210/8-7.5-V-baGY	54210080521 D	50
9	69.25	AK4210/9-7.5-V-baGY	54210090521 D	50
10	76.75	AK4210/10-7.5-V-baGY	54210100521 D	50
11	84.25	AK4210/11-7.5-V-baGY	54210110521 D	50
12	91.75	AK4210/12-7.5-V-baGY	54210120521 D	50

Technical drawing