



### 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 mm<sup>2</sup> wire

Available in green-yellow marbled

### Wire Sizes

Solid min	0.2 mm <sup>2</sup>
Solid max	10.0 mm <sup>2</sup>
Stranded min	0.2 mm <sup>2</sup>
Stranded max	10.0 mm <sup>2</sup>
Stranded (flexible) min	0.2 mm <sup>2</sup>
Stranded (flexible) max	10.0 mm <sup>2</sup>
Stranded with ferrule min	0.25 mm <sup>2</sup>
Stranded with ferrule max	6.0 mm <sup>2</sup>

### 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



Technical Data // **AK4210/..-7.5-V-BAGY**

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

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**

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 mm <sup>2</sup>	6.0 mm <sup>2</sup>
- stranded		AWG 24-8	AWG 24-8	0.2 mm <sup>2</sup>	10.0 mm <sup>2</sup>
- stranded (flexible)	AWG 24-8	AWG 24-8	AWG 24-8	0.2 mm <sup>2</sup>	10.0 mm <sup>2</sup>
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



Technical Data // **AK4210/..-7.5-V-BAGY**

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**

