



Highlights

- 1 to n poles
- 1 pole module
- Push-In connection
- Spacing 3.81 mm
- Wire entry vertical to PCB
- With lever

Wire Sizes

Solid min	0.14 mm ²
Solid max	1.5 mm ²
Stranded (flexible) min	0.14 mm ²
Stranded (flexible) max	1.5 mm ²
Stranded with ferrule min	0.14 mm ²
Stranded with ferrule max	0.34 mm ²

Dimensions

Stripped length	10.0 mm
PCB hole diameter	1.4 mm

Materials

Solder tab	Brass
Clamp spring	Stainless Steel

Insulating Material

Material	PBT
Flammability class	UL 94 V-0

Temperatures

Operating temperature (without mech. load)	-40 °C - 105 °C
Store temperature	-40 °C - 105 °C

Wave Soldering Process

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

Spacing 3.81 mm

Reflow Process

Soldering temperature, recommended -

Peak soldering time, recommended -

Colours

BASALT GREY, RAL 7012

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	300 V	-	300 V	130 V	
Rated current	6 A	-	6 A	12 A	
Rated wire size				min	max
- solid	AWG 26-16	-	AWG 26-16	0.2 mm ²	1.5 mm ²
- stranded	AWG 26-16	-	AWG 26-16	0.2 mm ²	1.5 mm ²
Test voltage	1.60 kV	-	1.60 kV	1.25 kV	

Order Data (Spacing 3.81 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
1	6.31	AKZ4701/1KD-3.81-V-BASALTGREY	54701010421 G	250
2	10.12	AKZ4701/2KD-3.81-V-BASALTGREY	54701020421 F	200
3	13.93	AKZ4701/3KD-3.81-V-BASALTGREY	54701030421 F	200
4	17.74	AKZ4701/4KD-3.81-V-BASALTGREY	54701040421 F	200
5	21.55	AKZ4701/5KD-3.81-V-BASALTGREY	54701050421 E	100
6	25.36	AKZ4701/6KD-3.81-V-BASALTGREY	54701060421 E	100
7	29.17	AKZ4701/7KD-3.81-V-BASALTGREY	54701070421 E	100
8	32.98	AKZ4701/8KD-3.81-V-BASALTGREY	54701080421 D	50
9	36.79	AKZ4701/9KD-3.81-V-BASALTGREY	54701090421 D	50
10	40.60	AKZ4701/10KD-3.81-V-BASALTGREY	54701100421 D	50
11	44.41	AKZ4701/11KD-3.81-V-BASALTGREY	54701110421 D	50
12	48.22	AKZ4701/12KD-3.81-V-BASALTGREY	54701120421 D	50



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Technical Data // **AKZ4701/..KD-3.81-V-BASALTGREY**

Spacing 3.81 mm

Technical drawing

