



Highlights

- 1 to n poles
- 1 pole module
- Tension spring type
- Spacing 7.5 mm
- Wire entry 45° to PCB
- With two soldering pins
- 24 A with 2.5 mm² wire

Wire Sizes

Solid min	0.08 mm ²
Solid max	2.5 mm ²
Stranded (flexible) min	0.14 mm ²
Stranded (flexible) max	2.5 mm ²
Stranded with ferrule min	0.14 mm ²
Stranded with ferrule max	1.5 mm ²

Dimensions

Stripped length	6.0 mm
PCB hole diameter	1.1 mm

Materials

Solder tab	Copper Alloy
Tension spring	Stainless Steel

Insulating Material

Material	PA 6.6
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 7.5 mm

Reflow Process

Soldering temperature, recommended -

Peak soldering time, recommended -

Colours

PEBBLE GREY, RAL 7032

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	750 V	
Rated current	15 A	-	10 A	24 A	
Rated wire size			min		max
- solid	AWG 28-14	-	AWG 28-14	0.5 mm ²	2.5 mm ²
- stranded	AWG 28-14	-	AWG 28-14	0.5 mm ²	2.5 mm ²
Test voltage	1.60 kV	-	1.60 kV	3.0 kV	

Accessoires

Figure	Designation	Article Number
	Bridge, 2-pole, insulated, BRI/2-7.5/7.62-L8.2-LIGHT GREY	Order Data: 50000000017

Spacing 7.5 mm

Order Data (Spacing 7.5 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
1	9.70	AK3010/1-7.5-PEBBLE GREY	53010010001 F	200
2	17.20	AK3010/2-7.5-PEBBLE GREY	53010020001 E	100
3	24.70	AK3010/3-7.5-PEBBLE GREY	53010030001 E	100
4	32.20	AK3010/4-7.5-PEBBLE GREY	53010040001 E	100
5	39.70	AK3010/5-7.5-PEBBLE GREY	53010050001 E	100
6	47.20	AK3010/6-7.5-PEBBLE GREY	53010060001 D	50
7	54.70	AK3010/7-7.5-PEBBLE GREY	53010070001 D	50
8	62.20	AK3010/8-7.5-PEBBLE GREY	53010080001 D	50
9	69.70	AK3010/9-7.5-PEBBLE GREY	53010090001 D	50
10	77.20	AK3010/10-7.5-PEBBLE GREY	53010100001 D	50
11	84.70	AK3010/11-7.5-PEBBLE GREY	53010110001 D	50
12	92.20	AK3010/12-7.5-PEBBLE GREY	53010120001 D	50
13	99.70	AK3010/13-7.5-PEBBLE GREY	53010130001 D	50
14	107.20	AK3010/14-7.5-PEBBLE GREY	53010140001 D	50
15	114.70	AK3010/15-7.5-PEBBLE GREY	53010150001 D	50
16	122.20	AK3010/16-7.5-PEBBLE GREY	53010160001 D	50
17	129.70	AK3010/17-7.5-PEBBLE GREY	53010170001 D	50
18	137.20	AK3010/18-7.5-PEBBLE GREY	53010180001 D	50
19	144.70	AK3010/19-7.5-PEBBLE GREY	53010190001 D	50
20	152.20	AK3010/20-7.5-PEBBLE GREY	53010200001 D	50
21	159.70	AK3010/21-7.5-PEBBLE GREY	53010210001 D	50
22	167.20	AK3010/22-7.5-PEBBLE GREY	53010220001 D	50
23	174.70	AK3010/23-7.5-PEBBLE GREY	53010230001 D	50
24	182.20	AK3010/24-7.5-PEBBLE GREY	53010240001 D	50

Spacing 7.5 mm

Technical drawing

