



Highlights

1 to n poles
1 pole module
Tension spring type
Spacing 5.0 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	-40 °C (without mech. load) - 105 °C
Store temperature	-40 °C - 105 °C

Wave Soldering Process

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

Spacing 5.0 mm

Reflow Process

Soldering temperature, recommended	-
Peak soldering time, recommended	-

Colours

PEBBLE GREY, RAL 7032

ORANGE, RAL 2011

BLUE, RAL 5015

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	250 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	-	-	-	-	-
- stranded (flexible)	AWG 28-14	-	AWG 28-14	0.5 mm ²	2.5 mm ²
Test voltage	1.60 kV	-	1.60 kV	2.0 kV	

Accessoires

Figure	Designation	Article Number
	Bridge, 2-pole, insulated, BRI/2-5.0/5.08-LIGHT GREY	Art.-Nr. 500000000006
	Bridge, 3-pole, insulated, BRI/3-5.0/5.08-LIGHT GREY	Art.-Nr. 500000000007
	Bridge, 2-pole, BR/2-5.0/5.08-L7.0	Art.-Nr. 500000000008

Spacing 5.0 mm

Order Data (Spacing 5.0 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
1	7.20	AK3000/1-5.0-PEBBLE GREY	53000010001 G	250
2	12.20	AK3000/2-5.0-PEBBLE GREY	53000020001 F	200
3	17.20	AK3000/3-5.0-PEBBLE GREY	53000030001 F	200
4	22.20	AK3000/4-5.0-PEBBLE GREY	53000040001 F	200
5	27.20	AK3000/5-5.0-PEBBLE GREY	53000050001 E	100
6	32.20	AK3000/6-5.0-PEBBLE GREY	53000060001 E	100
7	37.20	AK3000/7-5.0-PEBBLE GREY	53000070001 E	100
8	42.20	AK3000/8-5.0-PEBBLE GREY	53000080001 D	50
9	47.20	AK3000/9-5.0-PEBBLE GREY	53000090001 D	50
10	52.20	AK3000/10-5.0-PEBBLE GREY	53000100001 D	50
11	57.20	AK3000/11-5.0-PEBBLE GREY	53000110001 D	50
12	62.20	AK3000/12-5.0-PEBBLE GREY	53000120001 D	50
13	67.20	AK3000/13-5.0-PEBBLE GREY	53000130001 D	50
14	72.20	AK3000/14-5.0-PEBBLE GREY	53000140001 D	50
15	77.20	AK3000/15-5.0-PEBBLE GREY	53000150001 D	50
16	82.20	AK3000/16-5.0-PEBBLE GREY	53000160001 D	50
17	87.20	AK3000/17-5.0-PEBBLE GREY	53000170001 D	50
18	92.20	AK3000/18-5.0-PEBBLE GREY	53000180001 D	50
19	97.20	AK3000/19-5.0-PEBBLE GREY	53000190001 D	50
20	102.20	AK3000/20-5.0-PEBBLE GREY	53000200001 D	50
21	107.20	AK3000/21-5.0-PEBBLE GREY	53000210001 D	50
22	112.20	AK3000/22-5.0-PEBBLE GREY	53000220001 D	50
23	117.20	AK3000/23-5.0-PEBBLE GREY	53000230001 D	50
24	122.20	AK3000/24-5.0-PEBBLE GREY	53000240001 D	50

Spacing 5.0 mm

Technical drawing

