



### Highlights

- 1 to n poles
- 1 pole module
- Push-In connection
- Spacing 5.0 mm
- Wire entry parallel to PCB
- With two soldering pins

### Wire Sizes

Solid min	0.08 mm <sup>2</sup>
Solid max	2.5 mm <sup>2</sup>
Stranded (flexible) min	0.08 mm <sup>2</sup>
Stranded (flexible) max	2.5 mm <sup>2</sup>
Stranded with ferrule min	0.14 mm <sup>2</sup>
Stranded with ferrule max	1.0 mm <sup>2</sup>

### Dimensions

Stripped length	9.0 mm
PCB hole diameter	1.0 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 (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 5.0 mm

**Reflow Process**

Soldering temperature, recommended -

Peak soldering time, recommended -

**Colours**

PEBBLE GREY, RAL 7032

BLUE, RAL 5015

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

**Ratings**

UseGroup	C <sup>®</sup> RL <sup>®</sup> US			VDE	
	B	C	D		
Rated voltage	300 V	-	300 V	250 V	
Rated current	10 A	-	10 A	17.5 A	
Rated wire size				min	max
- solid	AWG 20-14	-	AWG 20-14	0.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>
- stranded	-	-	-	-	-
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	Order Data: 50000000006
	Bridge, 3-pole, insulated, BRI/3-5.0/5.08-LIGHT GREY	Order Data: 50000000007

**Order Data (Spacing 5.0 mm)**

Number of Poles	Width (mm)	Article Designation	Article Number	PU
1	6.60	AK4100/1-5.0-PEBBLE GREY	54100010001 G	250
2	11.60	AK4100/2-5.0-PEBBLE GREY	54100020001 F	200
3	16.60	AK4100/3-5.0-PEBBLE GREY	54100030001 F	200
4	21.60	AK4100/4-5.0-PEBBLE GREY	54100040001 E	100
5	26.60	AK4100/5-5.0-PEBBLE GREY	54100050001 E	100
6	31.60	AK4100/6-5.0-PEBBLE GREY	54100060001 D	50
7	36.60	AK4100/7-5.0-PEBBLE GREY	54100070001 D	50
8	41.60	AK4100/8-5.0-PEBBLE GREY	54100080001 D	50
9	46.60	AK4100/9-5.0-PEBBLE GREY	54100090001 D	50
10	51.60	AK4100/10-5.0-PEBBLE GREY	54100100001 D	50
11	56.60	AK4100/11-5.0-PEBBLE GREY	54100110001 D	50
12	61.60	AK4100/12-5.0-PEBBLE GREY	54100120001 D	50



Technical Data // **AK4100/..-5.0-PEBBLE GREY**

Spacing 5.0 mm

Technical drawing

