



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

Reflow Process

Soldering temperature, recommended	-
Peak soldering time, recommended	-

Spacing 5.0 mm

Colours

PEBBLE GREY, RAL 7032

GREY, RAL 7016

LIGHT GREEN, similar RAL 6018

GREEN, RAL 6018

RED, RAL 3003

ORANGE, RAL 2011

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	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	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	Order Data: 50000000006
	Bridge, 3-pole, insulated, BRI/3-5.0/5.08-LIGHT GREY	Order Data: 50000000007
	Bridge, 2-pole, BR/2-5.0/5.08-L7.0	Order Data: 50000000008

Spacing 5.0 mm

Order Data (Spacing 5.0 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
1	7.90	AK3001/1KD-5.0-PEBBLE GREY	53001010001 G	250
2	12.90	AK3001/2KD-5.0-PEBBLE GREY	53001020001 F	200
3	17.90	AK3001/3KD-5.0-PEBBLE GREY	53001030001 F	200
4	22.90	AK3001/4KD-5.0-PEBBLE GREY	53001040001 F	200
5	27.90	AK3001/5KD-5.0-PEBBLE GREY	53001050001 E	100
6	32.90	AK3001/6KD-5.0-PEBBLE GREY	53001060001 E	100
7	37.90	AK3001/7KD-5.0-PEBBLE GREY	53001070001 E	100
8	42.90	AK3001/8KD-5.0-PEBBLE GREY	53001080001 D	50
9	47.90	AK3001/9KD-5.0-PEBBLE GREY	53001090001 D	50
10	52.90	AK3001/10KD-5.0-PEBBLE GREY	53001100001 D	50
11	57.90	AK3001/11KD-5.0-PEBBLE GREY	53001110001 D	50
12	62.90	AK3001/12KD-5.0-PEBBLE GREY	53001120001 D	50
13	67.90	AK3001/13KD-5.0-PEBBLE GREY	53001130001 D	50
14	72.90	AK3001/14KD-5.0-PEBBLE GREY	53001140001 D	50
15	77.90	AK3001/15KD-5.0-PEBBLE GREY	53001150001 D	50
16	82.90	AK3001/16KD-5.0-PEBBLE GREY	53001160001 D	50
17	87.90	AK3001/17KD-5.0-PEBBLE GREY	53001170001 D	50
18	92.90	AK3001/18KD-5.0-PEBBLE GREY	53001180001 D	50
19	97.90	AK3001/19KD-5.0-PEBBLE GREY	53001190001 D	50
20	102.90	AK3001/20KD-5.0-PEBBLE GREY	53001200001 D	50
21	107.90	AK3001/21KD-5.0-PEBBLE GREY	53001210001 D	50
22	112.90	AK3001/22KD-5.0-PEBBLE GREY	53001220001 D	50
23	117.90	AK3001/23KD-5.0-PEBBLE GREY	53001230001 D	50
24	122.90	AK3001/24KD-5.0-PEBBLE GREY	53001240001 D	50

