



Wire Sizes

Solid min	0.2 mm ²
Solid max	2.5 mm ²
Stranded (flexible) min	0.2 mm ²
Stranded (flexible) max	2.5 mm ²
Stranded with ferrule min	0.2 mm ²
Stranded with ferrule max	2.5 mm ²

Dimensions

Stripped length	6.0 mm
PCB hole diameter	1.3 mm

Materials

Clamp	Brass
Wire guard	Stainless Steel
Screw	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	-

Colours

GREY, RAL 7016

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

Spacing 5.0 mm

Ratings

					
UseGroup	B	C	D		
Rated voltage	300 V	-	300 V	250 V	
Rated current	20 A	-	10 A	24 A	
Rated wire size				min	max
- solid	AWG 22-12	-	AWG 22-12	0.5 mm ²	2.5 mm ²
- stranded	AWG 22-12	-	AWG 22-12	0.5 mm ²	2.5 mm ²
Torque	0.45 Nm	-	0.45 Nm	0.50 Nm	
Screw size	M3	-	M3	M3	
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

Order Data (Spacing 5.0 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
2	10.00	AK100/2DS-5.0-H-GREY-BL	50100022150 G	250
3	15.00	AK100/3DS-5.0-H-GREY-BL	50100032150 G	250
4	20.00	AK100/4DS-5.0-H-GREY-BL	50100042150 G	250
5	25.00	AK100/5DS-5.0-H-GREY-BL	50100052150 G	250
6	30.00	AK100/6DS-5.0-H-GREY-BL	50100062150 F	200
7	35.00	AK100/7DS-5.0-H-GREY-BL	50100072150 F	200
8	40.00	AK100/8DS-5.0-H-GREY-BL	50100082150 E	100
9	45.00	AK100/9DS-5.0-H-GREY-BL	50100092150 E	100
10	50.00	AK100/10DS-5.0-H-GREY-BL	50100102150 E	100
11	55.00	AK100/11DS-5.0-H-GREY-BL	50100112150 E	100
12	60.00	AK100/12DS-5.0-H-GREY-BL	50100122150 E	100



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Technical Data // **AK100/..DS-5.0-H-GREY-BL**

Spacing 5.0 mm

Technical drawing

