



#### Wire Sizes

Solid min	0.2 mm <sup>2</sup>
Solid max	2.5 mm <sup>2</sup>
Stranded (flexible) min	0.2 mm <sup>2</sup>
Stranded (flexible) max	2.5 mm <sup>2</sup>
Stranded with ferrule min	0.2 mm <sup>2</sup>
Stranded with ferrule max	2.5 mm <sup>2</sup>

#### 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	-

Spacing 7.5 mm

**Colours**

GREY, RAL 7016

BLACK, RAL 9011

RED, RAL 3003

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	UL US			VDE	
	B	C	D		
Rated voltage	300 V	150 V	300 V		750 V
Rated current	20 A	20 A	10 A		24 A
Rated wire size				min	max
- solid	AWG 22-14	AWG 22-14	AWG 22-14	0.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>
- stranded	AWG 22-14	AWG 22-14	AWG 22-14	0.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>
Torque	0.45 Nm	0.45 Nm	0.45 Nm		0.50 Nm
Screw size	M3	M3	M3		M3
Test voltage	1.60 kV	1.30 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

**Order Data (Spacing 7.5 mm)**

Number of Poles	Width (mm)	Article Designation	Article Number	PU
2	15.70	AK110/2DS-7.5-H-GREY	50110020100 F	200
3	23.20	AK110/3DS-7.5-H-GREY	50110030100 F	200
4	30.70	AK110/4DS-7.5-H-GREY	50110040100 F	200
5	38.20	AK110/5DS-7.5-H-GREY	50110050100 E	100
6	45.70	AK110/6DS-7.5-H-GREY	50110060100 E	100
7	53.20	AK110/7DS-7.5-H-GREY	50110070100 E	100
8	60.70	AK110/8DS-7.5-H-GREY	50110080100 E	100
9	68.20	AK110/9DS-7.5-H-GREY	50110090100 E	100
10	75.70	AK110/10DS-7.5-H-GREY	50110100100 D	50
11	83.20	AK110/11DS-7.5-H-GREY	50110110100 D	50
12	90.70	AK110/12DS-7.5-H-GREY	50110120100 D	50



Technical Data // **AK110/..DS-7.5-H-GREY**

Spacing 7.5 mm

Technical drawing

