



### Wire Sizes

Solid min	0.14 mm <sup>2</sup>
Solid max	2.5 mm <sup>2</sup>
Stranded (flexible) min	0.14 mm <sup>2</sup>
Stranded (flexible) max	1.5 mm <sup>2</sup>
Stranded with ferrule min	0.14 mm <sup>2</sup>
Stranded with ferrule max	1.5 mm <sup>2</sup>

### Dimensions

Stripped length	6.0 mm
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### Materials

Clamp	Brass
Screw	Steel
Contact spring	Copper Alloy

### 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	-
Peak soldering time, recommended	-

### 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**

	UL US			VDE	
UseGroup	B	C	D		
Rated voltage	300 V	150 V	300 V	250 V	
Rated current	8 A	8 A	8 A	7 A	
Overvoltage category				III	
Rated wire size				min	max
- solid	AWG 22-12	AWG 22-12	AWG 22-12	0.5 mm <sup>2</sup> (5 A)	2.5 mm <sup>2</sup> (7 A)
- stranded	AWG 22-14	AWG 22-14	AWG 22-14	0.5 mm <sup>2</sup> (5 A)	1.5 mm <sup>2</sup> (7 A)
Torque	0.45 Nm	0.45 Nm	0.45 Nm	0.40 Nm	
Screw size	M2.6	M2.6	M2.6	M2.6	
Test voltage	1.60 kV	1.30 kV	1.60 kV	4.0 kV	
Pollution degree				3	

**Counterparts (Spacing 5.0 mm)**

Pin Strip

STL130	STL132	STL140
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In combination of connectors with different admission data, the lower value is valid.

**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



Technical Data // **AK130/..-5.0-GREY-BL**

Spacing 5.0 mm

**Order Data (Spacing 5.0 mm)**

Number of Poles	Width (mm)	Article Designation	Article Number	PU
2	10.00	AK130/2-5.0-GREY-BL	50130022001 G	250
3	15.00	AK130/3-5.0-GREY-BL	50130032001 G	250
4	20.00	AK130/4-5.0-GREY-BL	50130042001 G	250
5	25.00	AK130/5-5.0-GREY-BL	50130052001 G	250
6	30.00	AK130/6-5.0-GREY-BL	50130062001 G	250
7	35.00	AK130/7-5.0-GREY-BL	50130072001 G	250
8	40.00	AK130/8-5.0-GREY-BL	50130082001 E	100
9	45.00	AK130/9-5.0-GREY-BL	50130092001 E	100
10	50.00	AK130/10-5.0-GREY-BL	50130102001 E	100
11	55.00	AK130/11-5.0-GREY-BL	50130112001 E	100
12	60.00	AK130/12-5.0-GREY-BL	50130122001 E	100
13	65.00	AK130/13-5.0-GREY-BL	50130132001 D	50
14	70.00	AK130/14-5.0-GREY-BL	50130142001 D	50
15	75.00	AK130/15-5.0-GREY-BL	50130152001 D	50
16	80.00	AK130/16-5.0-GREY-BL	50130162001 D	50

**Technical drawing**

