



Highlights

- 2 to n poles
- 2 and 3 pole modules
- Horizontal or vertical plugging on pin strip possible
- Parallel or vertical wire connection depending on plugging direction
- Wire guard type
- Spacing 5.0 mm
- Two dove tails for extra stable plugging

Wire Sizes

Solid min	0.14 mm ²
Solid max	2.5 mm ²
Stranded (flexible) min	0.14 mm ²
Stranded (flexible) max	1.5 mm ²
Stranded with ferrule min	0.14 mm ²
Stranded with ferrule max	1.5 mm ²

Dimensions

Stripped length	6.0 mm
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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	-40 °C (without mech. load) - 105 °C
Store temperature	-40 °C - 105 °C

Wave Soldering Process

Soldering temperature, recommended	-
Peak soldering time, recommended	-

Spacing 5.0 mm

Reflow Process



Soldering temperature, recommended	-
Peak soldering time, recommended	-

Colours

- GREY, RAL 7016
- LIGHT GREY, RAL 7035
- GREEN, RAL 6018
- ORANGE, RAL 2011
- RED, RAL 3003
- BLUE, RAL 5015
- YELLOW, RAL 1018
- 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					
	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 ² (5 A)	2.5 mm ² (7 A)
- stranded	-	-	-	-	-
- stranded (flexible)	AWG 22-14	AWG 22-14	AWG 22-14	0.5 mm ² (5 A)	1.5 mm ² (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.

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

Spacing 5.0 mm

Accessoires

Figure	Designation	Article Number
	Bridge, 2-pole, insulated, BRI/2-5.0/5.08-LIGHT GREY	Art.-Nr. 50000000006
	Bridge, 3-pole, insulated, BRI/3-5.0/5.08-LIGHT GREY	Art.-Nr. 50000000007
	Bridge, 2-pole, BR/2-5.0/5.08-L7.0	Art.-Nr. 50000000008

Order Data (Spacing 5.0 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
2	10.70	AK130/2-5.0-GREY	50130020001 G	250
3	15.70	AK130/3-5.0-GREY	50130030001 G	250
4	20.70	AK130/4-5.0-GREY	50130040001 G	250
5	25.70	AK130/5-5.0-GREY	50130050001 G	250
6	30.70	AK130/6-5.0-GREY	50130060001 G	250
7	35.70	AK130/7-5.0-GREY	50130070001 G	250
8	40.70	AK130/8-5.0-GREY	50130080001 E	100
9	45.70	AK130/9-5.0-GREY	50130090001 E	100
10	50.70	AK130/10-5.0-GREY	50130100001 E	100
11	55.70	AK130/11-5.0-GREY	50130110001 E	100
12	60.70	AK130/12-5.0-GREY	50130120001 E	100

Technical drawing