



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

PTR HARTMANN

A Phoenix Mecano Company

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

