



Highlights

- 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
- 2 pole
- Connections internally jumpered

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	-

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

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

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

Order Data (Spacing 5.0 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
2	10.70	AK130/2-5.0-GREY-BR	50130020045 G	250



PTR HARTMANN

A Phoenix Mecano Company

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

Spacing 5.0 mm

Technical drawing

