



Highlights

- 2 to 12 poles
- 2 and 3 pole modules
- Spacing 5.0 mm
- Wire guard type
- Wire entry parallel to PCB
- 24 A with 2.5 mm² wire
- Higher pole numbers on request

Wire Sizes

Solid min	0.2 mm ²
Solid max	2.5 mm ²
Stranded (flexible) min	0.2 mm ²
Stranded (flexible) max	2.5 mm ²
Stranded with ferrule min	0.2 mm ²
Stranded with ferrule max	2.5 mm ²

Dimensions

Stripped length	7.0 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

Spacing 5.0 mm

Wave Soldering Process

Soldering temperature, recommended	260 °C
Peak soldering time, recommended	3-4 s

Reflow Process

Soldering temperature, recommended	-
Peak soldering time, recommended	-

Colours

GREY, RAL 7016

BLACK, RAL 9011

BLUE, RAL 5015

Colours according to RAL, there may be variations on colour due to production conditions.
Special colours on request.

Ratings

	cULus			VDE	
UseGroup	B	C	D		
Rated voltage	300 V	-	300 V	250 V	
Rated current	20 A	-	10 A	24 A	
Rated wire size				min	max
- solid	AWG 22-12	-	AWG 22-12	0.5 mm ²	2.5 mm ²
- stranded	AWG 22-12	-	AWG 22-12	0.5 mm ²	2.5 mm ²
Torque	0.45 Nm	-	0.45 Nm	0.50 Nm	
Screw size	M3	-	M3	M3	
Test voltage	1.60 kV	-	1.60 kV	2.0 kV	

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 // AK100/..DS-5.0-V-GREY

PTR HARTMANN

A Phoenix Mecano Company

Spacing 5.0 mm

Order Data (Spacing 5.0 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
2	10.70	AK100/2DS-5.0-V-GREY	50100020121 G	250
3	15.70	AK100/3DS-5.0-V-GREY	50100030121 G	250
4	20.70	AK100/4DS-5.0-V-GREY	50100040121 G	250
5	25.70	AK100/5DS-5.0-V-GREY	50100050121 G	250
6	30.70	AK100/6DS-5.0-V-GREY	50100060121 F	200
7	35.70	AK100/7DS-5.0-V-GREY	50100070121 F	200
8	40.70	AK100/8DS-5.0-V-GREY	50100080121 E	100
9	45.70	AK100/9DS-5.0-V-GREY	50100090121 E	100
10	50.70	AK100/10DS-5.0-V-GREY	50100100121 E	100
11	55.70	AK100/11DS-5.0-V-GREY	50100110121 E	100
12	60.70	AK100/12DS-5.0-V-GREY	50100120121 E	100

Technical drawing

