



Highlights

2 to 12 poles

2 and 3 pole modules

Spacing 5.0 mm

Wire guard type

Wire entry parallel to PCB

Test jack on every clamping point

Wire Sizes

Solid min	0.2 mm ²
Solid max	1.5 mm ²
Stranded (flexible) min	0.2 mm ²
Stranded (flexible) max	1.5 mm ²
Stranded with ferrule min	0.2 mm ²
Stranded with ferrule max	1.5 mm ²

Dimensions

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

Wave Soldering Process

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

Spacing 5.0 mm

Reflow Process

Soldering temperature, recommended	-
Peak soldering time, recommended	-

Colours

GREY, RAL 7016

BLACK, RAL 9011

GREEN, RAL 6018

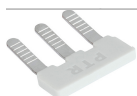
BLUE, RAL 5015

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	-	300 V	250 V	
Rated current	15 A	-	10 A	17.5 A	
Rated wire size				min	max
- solid	AWG 22-14	-	AWG 22-14	0.5 mm ²	1.5 mm ²
- stranded	-	-	-	-	-
- stranded (flexible)	AWG 22-14	-	AWG 22-14	0.5 mm ²	1.5 mm ²
Torque	0.40 Nm	-	0.40 Nm	0.40 Nm	
Screw size	M2.6	-	M2.6	M2.6	
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	Art.-Nr. 500000000006
	Bridge, 3-pole, insulated, BRI/3-5.0/5.08-LIGHT GREY	Art.-Nr. 500000000007
	Bridge, 2-pole, BR/2-5.0/5.08-L7.0	Art.-Nr. 500000000008



Technical Data // AK500/..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	10.60	AK500/2DS-5.0-V-GREY	50500020121 G	250
3	15.60	AK500/3DS-5.0-V-GREY	50500030121 G	250
4	20.60	AK500/4DS-5.0-V-GREY	50500040121 G	250
5	25.60	AK500/5DS-5.0-V-GREY	50500050121 G	250
6	30.60	AK500/6DS-5.0-V-GREY	50500060121 G	250
7	35.60	AK500/7DS-5.0-V-GREY	50500070121 G	250
8	40.60	AK500/8DS-5.0-V-GREY	50500080121 E	100
9	45.60	AK500/9DS-5.0-V-GREY	50500090121 E	100
10	50.60	AK500/10DS-5.0-V-GREY	50500100121 E	100
11	55.60	AK500/11DS-5.0-V-GREY	50500110121 E	100
12	60.60	AK500/12DS-5.0-V-GREY	50500120121 E	100

Technical drawing

