PTR HARTMANN
A Phoenix Mecano Company



Highlights	
2 to 12 poles	
2 and 3 pole modules	
Spacing 5.0 mm	
Wire guard type	
Wire entry vertical to PCB	
Test jack on every clamping point	
24 A with 2.5 mm² wire	
Wire Sizes	
Solid min	0.2 mm²
Solid max	2.5 mm²
Stranded (flexible) min	0.2 mm²
Stranded (flexible) max	2.5 mm²
Stranded with ferrule min	0.2 mm²
Stranded with ferrule max	2.5 mm²
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

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

BLUE, RAL 5015

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

Ratings

	c UL us			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 mm²	2.5 mm²
- stranded	-	-	-	-	-
- stranded (flexible)	AWG 22-12	-	AWG 22-12	0.5 mm²	2.5 mm²
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	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

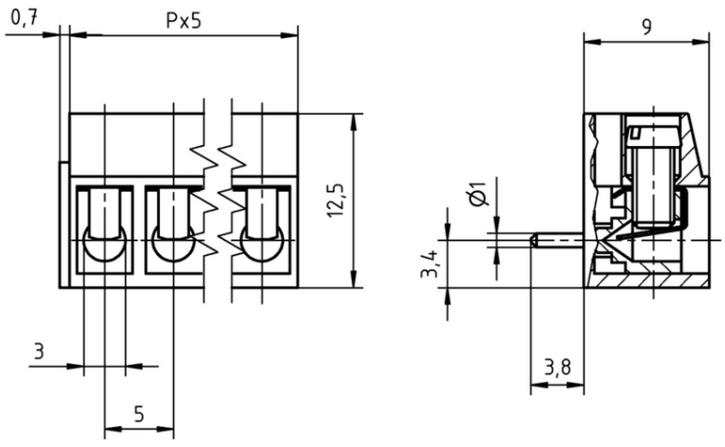
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Spacing 5.0 mm

Order Data (Spacing 5.0 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
2	10.70	AK100/2DS-5.0-H-GREY	50100020150 G	250
3	15.70	AK100/3DS-5.0-H-GREY	50100030150 G	250
4	20.70	AK100/4DS-5.0-H-GREY	50100040150 G	250
5	25.70	AK100/5DS-5.0-H-GREY	50100050150 G	250
6	30.70	AK100/6DS-5.0-H-GREY	50100060150 F	200
7	35.70	AK100/7DS-5.0-H-GREY	50100070150 F	200
8	40.70	AK100/8DS-5.0-H-GREY	50100080150 E	100
9	45.70	AK100/9DS-5.0-H-GREY	50100090150 E	100
10	50.70	AK100/10DS-5.0-H-GREY	50100100150 E	100
11	55.70	AK100/11DS-5.0-H-GREY	50100110150 E	100
12	60.70	AK100/12DS-5.0-H-GREY	50100120150 E	100

Technical drawing



Unikeyic Electronics

Global Electronic Components Distributor

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PTR HARTMANN:

P36THR101L254 PT65701 P36SMT101 PT65103L508 P36SMT103 P36THR101 PT65101L254 PT65703L508 PT65103L254 P65SMT101 5099-D-2.0N-AU-1.3C PT65101 PT65102 PT65106 H 1025 L P65THR103L254 PT65103 PT65101L508