



Highlights

1 to n poles

Tension spring type

Spacing 5.0 mm

Wire entry 45° to PCB

Two-tier terminal

Pin distance from front row to back row 10.0 mm

Wire Sizes

Solid min	0.08 mm ²
Solid max	2.5 mm ²
Stranded (flexible) min	0.14 mm ²
Stranded (flexible) max	2.5 mm ²
Stranded with ferrule min	0.14 mm ²
Stranded with ferrule max	1.5 mm ²

Dimensions

Stripped length	6.0 mm
PCB hole diameter	1.0 mm

Materials

Solder tab	Copper Alloy
Tension spring	Stainless 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

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

GREEN, RAL 6018

TRAFFIC GREY, RAL 7042

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	-	300 V	250 V	
Rated current	16 A	-	10 A	12 A	
Rated wire size				min	max
- solid	AWG 28-14	-	AWG 28-14	0.5 mm ²	2.5 mm ²
- stranded	AWG 28-14	-	AWG 28-14	0.5 mm ²	2.5 mm ²
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 // AK3750/..-5.0-GREEN-PD10.0

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
1	6.70	AK3750/1-5.0-GREEN-PD10.0	53750010241 F	200
2	11.70	AK3750/2-5.0-GREEN-PD10.0	53750020241 E	100
3	16.70	AK3750/3-5.0-GREEN-PD10.0	53750030241 E	100
4	21.70	AK3750/4-5.0-GREEN-PD10.0	53750040241 D	50
5	26.70	AK3750/5-5.0-GREEN-PD10.0	53750050241 D	50
6	31.70	AK3750/6-5.0-GREEN-PD10.0	53750060241 D	50
7	36.70	AK3750/7-5.0-GREEN-PD10.0	53750070241 D	50
8	41.70	AK3750/8-5.0-GREEN-PD10.0	53750080241 D	50
9	46.70	AK3750/9-5.0-GREEN-PD10.0	53750090241 D	50
10	51.70	AK3750/10-5.0-GREEN-PD10.0	53750100241 D	50
11	56.70	AK3750/11-5.0-GREEN-PD10.0	53750110241 D	50
12	61.70	AK3750/12-5.0-GREEN-PD10.0	53750120241 D	50

Technical drawing

