Technical Data // AKZ3750/..-5.08-GREEN-PD10.16

Spacing 5.08 mm

PTR HARTMANN
A Phoenix Mecano Company



Highlights	
1 to n poles	
Tension spring type	
Spacing 5.08 mm	
Wire entry 45° to PCB	
Two-tier terminal	
Pin distance from front row to back row 10.16 mm	
Wire Sizes	
Solid min	0.08 mm²
Solid max	2.5 mm²
Stranded (flexible) min	0.14 mm²
Stranded (flexible) max	2.5 mm²
Stranded with ferrule min	0.14 mm²
Stranded with ferrule max	1.5 mm²
Dimensions	
Stripped length	6.0 mm
PCB hole diameter	1.3 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	-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

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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

		c UL us			VDE
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 mm²	2.5 mm²
- stranded	-	-	-	-	-
- stranded (flexible)	AWG 28-14	-	AWG 28-14	0.5 mm²	2.5 mm²
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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Order Data (Spacing 5.08 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
1	6.78	AKZ3750/1-5.08-GREEN-PD10.16	53750010251 F	200
2	11.86	AKZ3750/2-5.08-GREEN-PD10.16	53750020251 E	100
3	16.94	AKZ3750/3-5.08-GREEN-PD10.16	53750030251 E	100
4	22.02	AKZ3750/4-5.08-GREEN-PD10.16	53750040251 D	50
5	27.10	AKZ3750/5-5.08-GREEN-PD10.16	53750050251 D	50
6	32.18	AKZ3750/6-5.08-GREEN-PD10.16	53750060251 D	50
7	37.26	AKZ3750/7-5.08-GREEN-PD10.16	53750070251 D	50
8	42.34	AKZ3750/8-5.08-GREEN-PD10.16	53750080251 D	50
9	47.42	AKZ3750/9-5.08-GREEN-PD10.16	53750090251 D	50
10	52.50	AKZ3750/10-5.08-GREEN-PD10.16	53750100251 D	50
11	57.58	AKZ3750/11-5.08-GREEN-PD10.16	53750110251 D	50
12	62.66	AKZ3750/12-5.08-GREEN-PD10.16	53750120251 D	50

Technical drawing

