



Highlights

- 2 to n poles
- Tension spring type
- Spacing 10.16 mm
- Wire entry 45° to PCB
- Two-tier terminal
- Alternating pinning starts with the front right pole
- Max. 1.000 V

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	1.3 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 (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 10.16 mm

Reflow Process

Soldering temperature, recommended -

Peak soldering time, recommended -

Colours

GREEN, RAL 6018

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		1000 V
Rated current	16 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		3.5 kV

** angelehnt an EN 60998

Order Data (Spacing 10.16 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
2	16.94	AKZ3750/2VP-10.16-GREEN	53750020211 E	100
3	27.10	AKZ3750/3VP-10.16-GREEN	53750030211 E	100
4	37.26	AKZ3750/4VP-10.16-GREEN	53750040211 D	50
5	47.42	AKZ3750/5VP-10.16-GREEN	53750050211 D	50
6	57.58	AKZ3750/6VP-10.16-GREEN	53750060211 D	50
7	67.74	AKZ3750/7VP-10.16-GREEN	53750070211 D	50
8	77.90	AKZ3750/8VP-10.16-GREEN	53750080211 D	50
9	88.06	AKZ3750/9VP-10.16-GREEN	53750090211 D	50
10	98.22	AKZ3750/10VP-10.16-GREEN	53750100211 D	50
11	108.38	AKZ3750/11VP-10.16-GREEN	53750110211 D	50
12	118.54	AKZ3750/12VP-10.16-GREEN	53750120211 D	50



PTR HARTMANN

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Technical Data // **AKZ3750/..VP-10.16-GREEN**

Spacing 10.16 mm

Technical drawing

