



Highlights

- 2 to n poles
- 1 pole module
- Tension spring type
- Spacing 10.0 mm
- Wire entry 45° to PCB
- With two soldering pins
- With finger lever
- 24 A with 2.5 mm² wire
- 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	1.1 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

Spacing 10.0 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

PEBBLE GREY, RAL 7032

GREY, RAL 7016

LIGHT GREEN, similar RAL 6018

GREEN, RAL 6018

RED, RAL 3003

ORANGE, RAL 2011

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	-	1000 V	
Rated current	15 A	15 A	-	24 A	
Rated wire size				min	max
- solid	AWG 28-14	AWG 28-14	-	0.5 mm²	2.5 mm²
- stranded	AWG 28-14	AWG 28-14	-	0.5 mm²	2.5 mm²
Test voltage	1.60 kV	1.60 kV	-	3.5 kV	

**PTR HARTMANN**

A Phoenix Mecano Company

Technical Data // AK3001/..FD-10.0-PEBBLE GREY

Spacing 10.0 mm

Order Data (Spacing 10.0 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
2	17.90	AK3001/2FD-10.0-PEBBLE GREY	53001020061 E	100
3	27.90	AK3001/3FD-10.0-PEBBLE GREY	53001030061 E	100
4	37.90	AK3001/4FD-10.0-PEBBLE GREY	53001040061 E	100
5	47.90	AK3001/5FD-10.0-PEBBLE GREY	53001050061 E	100
6	57.90	AK3001/6FD-10.0-PEBBLE GREY	53001060061 D	50
7	67.90	AK3001/7FD-10.0-PEBBLE GREY	53001070061 D	50
8	77.90	AK3001/8FD-10.0-PEBBLE GREY	53001080061 D	50
9	87.90	AK3001/9FD-10.0-PEBBLE GREY	53001090061 D	50
10	97.90	AK3001/10FD-10.0-PEBBLE GREY	53001100061 D	50
11	107.90	AK3001/11FD-10.0-PEBBLE GREY	53001110061 D	50
12	117.90	AK3001/12FD-10.0-PEBBLE GREY	53001120061 D	50
13	127.90	AK3001/13FD-10.0-PEBBLE GREY	53001130061 D	50
14	137.90	AK3001/14FD-10.0-PEBBLE GREY	53001140061 D	50
15	147.90	AK3001/15FD-10.0-PEBBLE GREY	53001150061 D	50
16	157.90	AK3001/16FD-10.0-PEBBLE GREY	53001160061 D	50
17	167.90	AK3001/17FD-10.0-PEBBLE GREY	53001170061 D	50
18	177.90	AK3001/18FD-10.0-PEBBLE GREY	53001180061 D	50
19	187.90	AK3001/19FD-10.0-PEBBLE GREY	53001190061 D	50
20	197.90	AK3001/20FD-10.0-PEBBLE GREY	53001200061 D	50
21	207.90	AK3001/21FD-10.0-PEBBLE GREY	53001210061 D	50
22	217.90	AK3001/22FD-10.0-PEBBLE GREY	53001220061 D	50
23	227.90	AK3001/23FD-10.0-PEBBLE GREY	53001230061 D	50
24	237.90	AK3001/24FD-10.0-PEBBLE GREY	53001240061 D	50

