



Highlights

1 to 4 poles

Push-In connection

Spacing 6.0 mm

Wire entry parallel to PCB

With lever

Reflow soldering

Automatic assembly (tape-on-reel)

SMD

Wire Sizes

Solid min 0.5 mm²

Solid max 1.5 mm²

Stranded (flexible) min 0.5 mm²

Stranded (flexible) max 1.5 mm²

Stranded with ferrule min 0.5 mm²

Stranded with ferrule max 0.75 mm²

Dimensions

Stripped length 7.0 mm

Materials

Metal Copper Alloy

Insulating Material

Material PPA

Flammability class UL 94 V-0

Temperatures

Operating temperature -60 °C (without mech. load) - 105 °C

Wave Soldering Process

Soldering temperature, recommended -

Peak soldering time, recommended -

Spacing 6.0 mm

Reflow Process

Soldering temperature, recommended	217 - 245 °C
Peak soldering time, recommended	60 s

Colours

WHITE, RAL 9003

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

Ratings



Rated voltage (1 pole)	600 V
Rated voltage (2 up to 4 pole)	300 V
Rated current	10 A
Rated wire size	
- solid	AWG 20-16
- stranded	AWG 20-16

Ratings



Overvoltage category	II		III		III	
Pollution Degree	2		2		3	
Rated voltage	630 V		320 V		250 V	
Rated current	17.5 A		17.5 A		17.5 A	
Rated wire size	min	max	min	max	min	max
- solid	0.5 mm ²	1.5 mm ²	0.5 mm ²	1.5 mm ²	0.5 mm ²	1.5 mm ²
- stranded	0.5 mm ²	1.5 mm ²	0.5 mm ²	1.5 mm ²	0.5 mm ²	1.5 mm ²
Test voltage	4.0 kV		4.0 kV		4.0 kV	

Tape on Reel

Number of Poles	Reel (RD/")	Width (R/mm)	Pitch (RP/mm)	Pieces (PCS)
1	13	24	12	900
2	13	24	16	700
3	13	24	24	450
4	13	24	28	380

Order Data (Spacing 6.0 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
1	5.70	AK4092/1KD-6.0-WH-SMD	54092019001R	900
2	11.70	AK4092/2KD-6.0-WH-SMD	54092029001R	700
3	17.70	AK4092/3KD-6.0-WH-SMD	54092039001R	450
4	23.70	AK4092/4KD-6.0-WH-SMD	54092049001R	380



Technical Data // AK4092/..KD-6.0-WH-SMD

PTR HARTMANN

A Phoenix Mecano Company

Spacing 6.0 mm

Technical drawing

