



Highlights

1 to 4 poles

Push-In connection

Spacing 4.0 mm

Wire entry parallel to PCB

With lever

Reflow soldering

Automatic assembly (tape-on-reel)

SMD

Wire Sizes

Solid min 0.2 mm²

Solid max 0.75 mm²

Stranded (flexible) min 0.2 mm²

Stranded (flexible) max 0.75 mm²

Stranded with ferrule min 0.14 mm²

Stranded with ferrule max 0.34 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 4.0 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)	320 V
Rated current	9 A
Rated wire size	
- solid	AWG 24-18
- stranded	AWG 24-18

Ratings



Overvoltage category	II		III		III	
Pollution Degree	2		2		3	
Rated voltage	320 V		160 V		63 V	
Rated current	9 A		9 A		9 A	
Rated wire size	min	max	min	max	min	max
- solid	0.2 mm ²	0.75 mm ²	0.2 mm ²	0.75 mm ²	0.2 mm ²	0.75 mm ²
- stranded	0.2 mm ²	0.75 mm ²	0.2 mm ²	0.75 mm ²	0.2 mm ²	0.75 mm ²
Test voltage	2.5 kV		2.5 kV		2.5 kV	

Tape on Reel

Number of Poles	Reel (RD/")	Width (R/mm)	Pitch (RP/mm)	Pieces (PCS)
1	13	24	8	1500
2	13	24	12	1000
3	13	24	16	750
4	13	24	20	600

Order Data (Spacing 4.0 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
1	4.00	AK4091/1KD-4.0-WH-SMD	54091019001R	1500
2	8.00	AK4091/2KD-4.0-WH-SMD	54091029001R	1000
3	12.00	AK4091/3KD-4.0-WH-SMD	54091039001R	750
4	16.00	AK4091/4KD-4.0-WH-SMD	54091049001R	600



Technical Data // AK4091/..KD-4.0-WH-SMD

PTR HARTMANN

A Phoenix Mecano Company

Spacing 4.0 mm

Technical drawing

