



### 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 mm <sup>2</sup>
Solid max	1.5 mm <sup>2</sup>
Stranded (flexible) min	0.5 mm <sup>2</sup>
Stranded (flexible) max	1.5 mm <sup>2</sup>
Stranded with ferrule min	0.5 mm <sup>2</sup>
Stranded with ferrule max	0.75 mm <sup>2</sup>

### Dimensions

Stripped length	7.0 mm
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### Materials

Metal	Copper Alloy
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### Insulating Material

Material	PPA
Flammability class	UL 94 V-0

### Temperatures

Operating temperature	-60 °C (without mech. load) - 105 °C
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### 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 <sup>2</sup>	1.5 mm <sup>2</sup>	0.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>	0.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>
- stranded	0.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>	0.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>	0.5 mm <sup>2</sup>	1.5 mm <sup>2</sup>
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



Spacing 6.0 mm

Technical drawing

