



### 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

### 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 -

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

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            | 750          |
| 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   | 750 |
| 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**

Spacing 6.0 mm

Technical drawing

