



### Highlights

1 to 4 poles

Push-In connection

Spacing 6.0 mm

Wire entry parallel to PCB

With lever

Reflow soldering

THR

Pin length 2.4 mm

Pin length 1.5 mm also available

### 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

PCB hole diameter 1.5 mm

### Materials

Metal Copper Alloy

### Insulating Material

Material PPA

Flammability class UL 94 V-0

### Temperatures

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

### Wave Soldering Process

Soldering temperature, recommended -

Peak soldering time, recommended -

**Technical Data // AK4092/..KD-6.0-P2.4-WH-HT**

Spacing 6.0 mm

**Reflow Process**

Soldering temperature, recommended 217 - 245 °C

Peak soldering time, recommended 60 s

**Colours**

WHITE, RAL 9003

**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	640
2	13	24	16	480
3	13	24	24	320
4	13	24	28	270

**Order Data (Spacing 6.0 mm)**

Number of Poles	Width (mm)	Article Designation	Article Number	PU
1	5.70	AK4092/1KD-6.0-P2.4-WH-HT	54092010001R	640
2	11.70	AK4092/2KD-6.0-P2.4-WH-HT	54092020001R	480
3	17.70	AK4092/3KD-6.0-P2.4-WH-HT	54092030001R	320
4	23.70	AK4092/4KD-6.0-P2.4-WH-HT	54092040001R	270

