PTR HARTMANN
A Phoenix Mecano Company



| | |
|---|---|
| **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

| | cULus |
|---|---|
| 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

| | DVE | | | | |
|---|---|---|---|---|---|
| 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 mm² | 0.75 mm² | 0.2 mm² | 0.75 mm² | 0.2 mm² | 0.75 mm² |
| - stranded | 0.2 mm² | 0.75 mm² | 0.2 mm² | 0.75 mm² | 0.2 mm² | 0.75 mm² |
| 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 |

Spacing 4.0 mm

## Technical drawing




