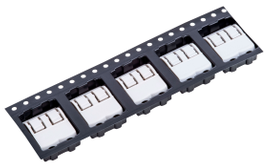
PTR HARTMANN
A Phoenix Mecano Company



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 mm²
Solid max	1.5 mm²
Stranded (flexible) min	0.5 mm²
Stranded (flexible) max	1.5 mm²
Stranded with ferrule min	0.5 mm²
Stranded with ferrule max	0.75 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 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

	c UL us
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

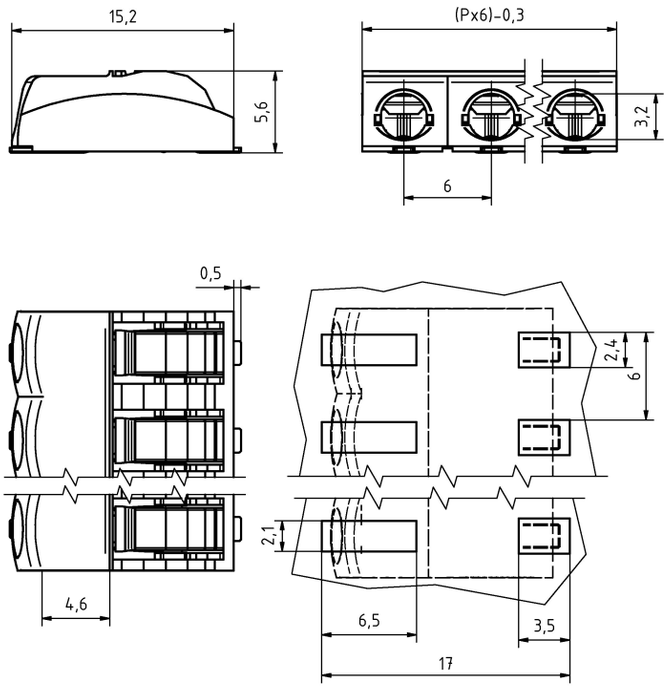
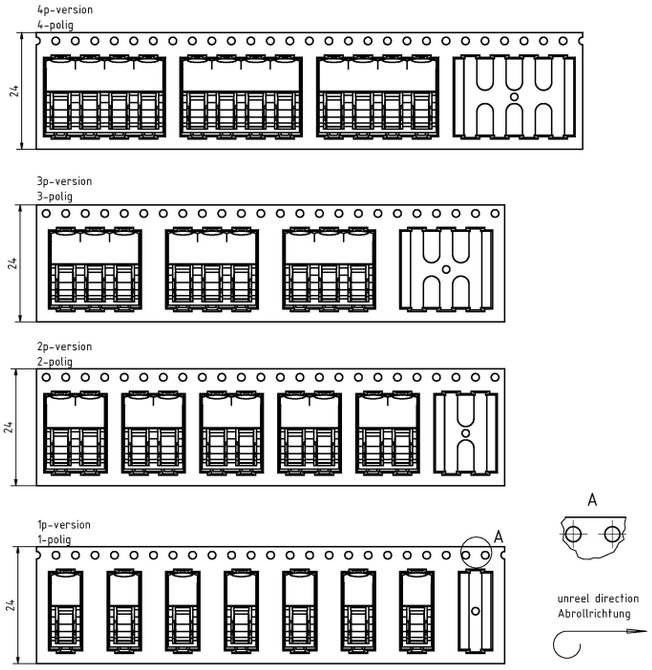
	DVE				
Overvoltage category	II		III		III	
Pollution Degree	2		2		3	
Rated voltage	630 V		320 V		250 V	
Rated current	17.5 A		17.5 A		17.5 A	
Rated wire size	min	max	min	max	min	max
- solid	0.5 mm²	1.5 mm²	0.5 mm²	1.5 mm²	0.5 mm²	1.5 mm²
- stranded	0.5 mm²	1.5 mm²	0.5 mm²	1.5 mm²	0.5 mm²	1.5 mm²
Test 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