

# AK4091/..KD-4.0-WH-SMD



A Phoenix Mecano Brand

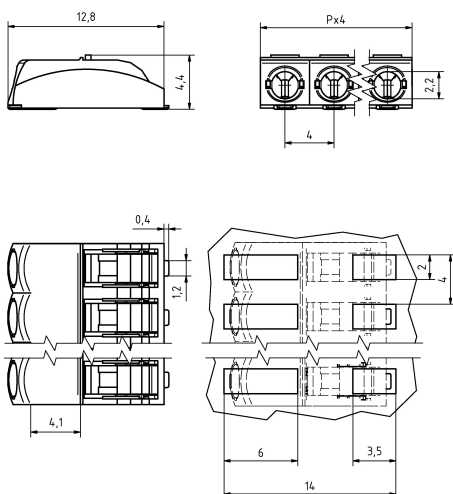
## Technical Data

Wire sizes		Insulating Material	
Solid min	0.2 mm <sup>2</sup>	Material	PPA
Solid max	0.75 mm <sup>2</sup>	Flammability Class	UL 94 V-0
Stranded (flexible) min	0.2mm <sup>2</sup>	<b>Temperatures</b>	
Stranded (flexible) max	0.75 mm <sup>2</sup>	Operating Temperature (without mech. load)	-60 °C - 105 °C
Stranded with Ferrule min	0.14 mm <sup>2</sup>	<b>Wave Soldering Process</b>	
Stranded with Ferrule max	0.34 mm <sup>2</sup>	Soldering Temperature, recommended	-
<b>Dimensions</b>		Peak Soldering Time, recommended	-
Stripped Length	7.0 mm	<b>Reflow Process</b>	
<b>Materials</b>		Soldering Temperature, recommended	217 - 245 °C
Metal	Copper Alloy	Peak Soldering Time, recommended	60 s

## Colours

WHITE, RAL 9003

Colours according to RAL, there may be variations on colour due to production conditions.

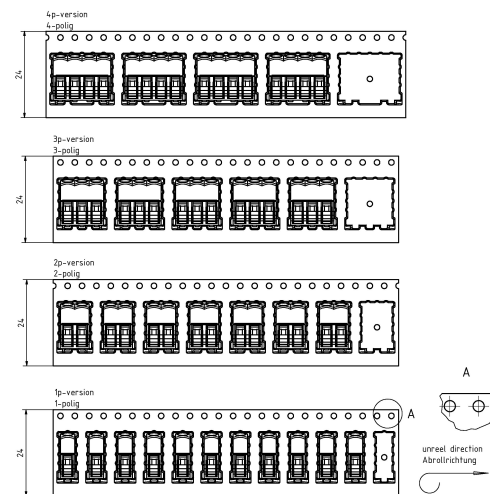


## Order Data (Spacing 4.0 mm)

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

## Tape on Reel

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



## Electrical Data



Overvoltage Category	II		III		III		
Pollution Degree	2		2		3		
Rated Voltage	320 V		160 V		63 V		
Rated Voltage (1 pole)	600 V						
Rated Voltage (2 pole)	320 V						
Rated Current	9 A		9 A		9 A		
Rated Wire Size		min	max	min	max	min	max
- solid	AWG 24-18	0.2 mm <sup>2</sup>	0.75 mm <sup>2</sup>	0.2 mm <sup>2</sup>	0.75 mm <sup>2</sup>	0.2 mm <sup>2</sup>	0.75 mm <sup>2</sup>
- stranded	AWG 24-18	0.2 mm <sup>2</sup>	0.75 mm <sup>2</sup>	0.2 mm <sup>2</sup>	0.75 mm <sup>2</sup>	0.2 mm <sup>2</sup>	0.75 mm <sup>2</sup>
Test Voltage	2.5 kV		2.5 kV		2.5 kV		