



Highlights

2 to 12 poles

Push-In connection

Spacing 3.5 mm

Wire entry vertical to PCB

With lever

Reflow soldering

Automatic assembly (tape-on-reel)

SMD

Wire Sizes

Solid min	0.2 mm ²
Solid max	1.5 mm ²
Stranded (flexible) min	0.2 mm ²
Stranded (flexible) max	1.5 mm ²
Stranded with ferrule min	0.25 mm ²
Stranded with ferrule max	0.75 mm ²

Dimensions

Stripped length	10.0 mm
PCB hole diameter	1.2 mm

Materials

Solder tab	Copper Alloy
Clamp spring	Stainless Steel

Insulating Material

Material	PA
Flammability class	UL 94 V-0

Temperatures

Operating temperature (without mech. load)	-40 °C - 105 °C
Store temperature	-40 °C - 105 °C

Spacing 3.5 mm

Wave Soldering Process

Soldering temperature, recommended	260 °C
Peak soldering time, recommended	3-4 s

Reflow Process

Soldering temperature, recommended	217 - 245 °C
Peak soldering time, recommended	60 s

Colours

BLACK, RAL 9011

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

Ratings

 			
UseGroup	B	C	D
Rated voltage	300 V	-	300 V
Rated current	10 A	-	10 A
Overvoltage category	III		
Rated wire size	min max		
- solid	AWG 24-16	-	AWG 24-16
- stranded	AWG 24-16	-	AWG 24-16
Test voltage	1.60 kV	-	1.60 kV
Pollution degree	3		

Tape on Reel

Number of Poles	Reel (RD/")	Width (R/mm)	Pitch (RP/mm)	Pieces (PCS)
2	13	44	20	150
3	13	44	20	150
4	13	44	20	150
5	13	44	20	150
6	13	44	20	150
7	13	44	20	150
8	13	72	20	150
9	13	72	20	150
10	13	72	20	150
11	13	72	20	150
12	13	72	20	150



Technical Data // AK4601/..KD-3.5-V-BK-SMD

PTR HARTMANN

A Phoenix Mecano Company

Spacing 3.5 mm

Order Data (Spacing 3.5 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
2	7.00	AK4601/2KD-3.5-V-BK-SMD	54601029301R	150
3	10.50	AK4601/3KD-3.5-V-BK-SMD	54601039301R	150
4	14.00	AK4601/4KD-3.5-V-BK-SMD	54601049301R	150
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10	35.00	AK4601/10KD-3.5-V-BK-SMD	54601109301R	150
11	38.50	AK4601/11KD-3.5-V-BK-SMD	54601119301R	150
12	42.00	AK4601/12KD-3.5-V-BK-SMD	54601129301R	150

Technical drawing



