NEW

Technical Data // AK4601/..KD-3.5-V-P3.3-BK-HT

Spacing 3.5 mm

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A Phoenix Mecano Company



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)	
THR	
Pin length 1.5 mm also available	
Wire Sizes	
Solid min	0.2 mm²
Solid max	1.5 mm²
Stranded (flexible) min	0.2 mm²
Stranded (flexible) max	1.5 mm²
Stranded with ferrule min	0.25 mm²
Stranded with ferrule max	0.75 mm²
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	-40 °C (without mech. load) - 105 °C
Store temperature	-40 °C - 105 °C

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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

	c UL us			VDE	
UseGroup	B	C	D		
Rated voltage	300 V	-	300 V	250 V	
Rated current	10 A	-	10 A	8 A	
Overvoltage category				III	
Rated wire size				min	max
- solid	AWG 24-16	-	AWG 24-16	0.2 mm²	1.5 mm²
- stranded	-	-	-	-	-
- stranded (flexible)	AWG 24-16	-	AWG 24-16	0.2 mm²	1.5 mm²
Test voltage	1.60 kV	-	1.60 kV	4.0 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

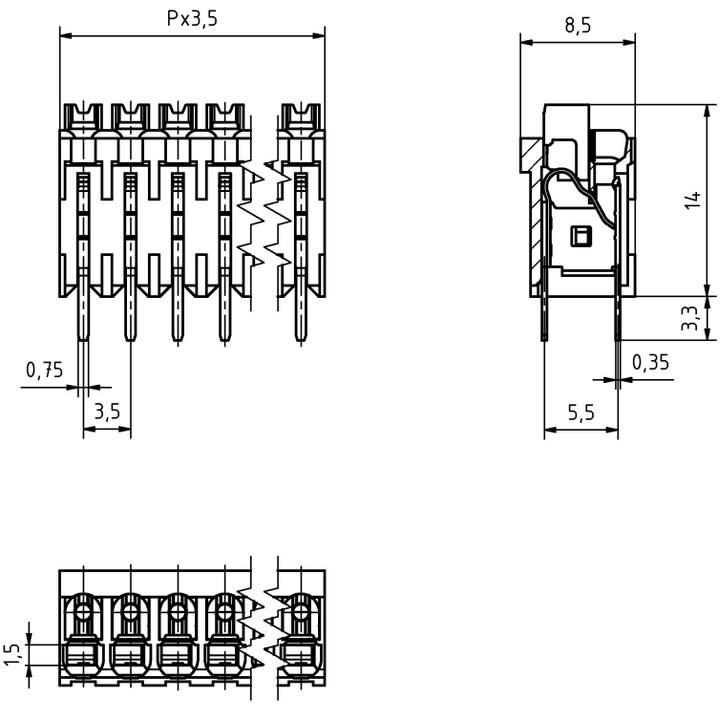
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Order Data (Spacing 3.5 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
2	7.00	AK4601/2KD-3.5-V-P3.3-BK-HT	54601020301R	150
3	10.50	AK4601/3KD-3.5-V-P3.3-BK-HT	54601030301R	150
4	14.00	AK4601/4KD-3.5-V-P3.3-BK-HT	54601040301R	150
...	...	...	...	...
10	35.00	AK4601/10KD-3.5-V-P3.3-BK-HT	54601100301R	150
11	38.50	AK4601/11KD-3.5-V-P3.3-BK-HT	54601110301R	150
12	42.00	AK4601/12KD-3.5-V-P3.3-BK-HT	54601120301R	150

Technical drawing



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