



Highlights

2 to 12 poles

Push-In connection

Spacing 3.5 mm

With lever

Reflow soldering

THR

Alternating pinning starts with the front right pole

Pin length 1.5 mm also available

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.
 Special colours on request.

Ratings

							
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 mm ²	1.5 mm ²
- stranded	AWG 24-16	-	AWG 24-16			0.2 mm ²	1.5 mm ²
Test voltage	1.60 kV	-	1.60 kV			4.0 kV	
Pollution degree						3	

Order Data (Spacing 3.5 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
2	7.00	AK4601/2KDVP-3.5-H-P3.3-BK-HT	54601020352 G	250
3	10.50	AK4601/3KDVP-3.5-H-P3.3-BK-HT	54601030352 F	200
4	14.00	AK4601/4KDVP-3.5-H-P3.3-BK-HT	54601040352 F	200
5	17.50	AK4601/5KDVP-3.5-H-P3.3-BK-HT	54601050352 F	200
6	21.00	AK4601/6KDVP-3.5-H-P3.3-BK-HT	54601060352 E	100
7	24.50	AK4601/7KDVP-3.5-H-P3.3-BK-HT	54601070352 E	100
8	28.00	AK4601/8KDVP-3.5-H-P3.3-BK-HT	54601080352 E	100
9	31.50	AK4601/9KDVP-3.5-H-P3.3-BK-HT	54601090352 D	50
10	35.00	AK4601/10KDVP-3.5-H-P3.3-BK-HT	54601100352 D	50
11	38.50	AK4601/11KDVP-3.5-H-P3.3-BK-HT	54601110352 D	50
12	42.00	AK4601/12KDVP-3.5-H-P3.3-BK-HT	54601120352 D	50



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Technical Data // **AK4601/..KDVP-3.5-H-P3.3-BK-HT**

Spacing 3.5 mm

Technical drawing

