



### Highlights

2 to 12 poles

Push-In connection

Spacing 3.5 mm

Wire entry vertical to PCB

With lever

Reflow soldering

THR

Pin length 1.5 mm also available

### Wire Sizes

Solid min	0.2 mm <sup>2</sup>
Solid max	1.5 mm <sup>2</sup>
Stranded (flexible) min	0.2 mm <sup>2</sup>
Stranded (flexible) max	1.5 mm <sup>2</sup>
Stranded with ferrule min	0.25 mm <sup>2</sup>
Stranded with ferrule max	0.75 mm <sup>2</sup>

### 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



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

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
Rated wire size			
- solid	AWG 24-16	-	AWG 24-16
- stranded	AWG 24-16	-	AWG 24-16

**Ratings**



Overvoltage category	III		III		III	
Pollution Degree	3		2		1	
Rated voltage	250 V		320 V		630 V	
Rated current	8 A		8 A		8 A	
Rated wire size	min	max	min	max	min	max
- solid	0.2 mm <sup>2</sup>	1.5 mm <sup>2</sup>	0.2 mm <sup>2</sup>	1.5 mm <sup>2</sup>	0.2 mm <sup>2</sup>	1.5 mm <sup>2</sup>
- stranded	0.2 mm <sup>2</sup>	1.5 mm <sup>2</sup>	0.2 mm <sup>2</sup>	1.5 mm <sup>2</sup>	0.2 mm <sup>2</sup>	1.5 mm <sup>2</sup>
Test voltage	4.0 kV		4.0 kV		4.0 kV	



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

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-P3.3-BK-HT	54601020301 G	250
3	10.50	AK4601/3KD-3.5-V-P3.3-BK-HT	54601030301 F	200
4	14.00	AK4601/4KD-3.5-V-P3.3-BK-HT	54601040301 F	200
5	17.50	AK4601/5KD-3.5-V-P3.3-BK-HT	54601050301 F	200
6	21.00	AK4601/6KD-3.5-V-P3.3-BK-HT	54601060301 E	100
7	24.50	AK4601/7KD-3.5-V-P3.3-BK-HT	54601070301 E	100
8	28.00	AK4601/8KD-3.5-V-P3.3-BK-HT	54601080301 E	100
9	31.50	AK4601/9KD-3.5-V-P3.3-BK-HT	54601090301 D	50
10	35.00	AK4601/10KD-3.5-V-P3.3-BK-HT	54601100301 D	50
11	38.50	AK4601/11KD-3.5-V-P3.3-BK-HT	54601110301 D	50
12	42.00	AK4601/12KD-3.5-V-P3.3-BK-HT	54601120301 D	50

Technical drawing

