



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 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	-40 °C (without mech. load) - 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
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 ²	1.5 mm ²	0.2 mm ²	1.5 mm ²	0.2 mm ²	1.5 mm ²
- stranded	0.2 mm ²	1.5 mm ²	0.2 mm ²	1.5 mm ²	0.2 mm ²	1.5 mm ²
Test voltage	4.0 kV		4.0 kV		4.0 kV	



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

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-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

