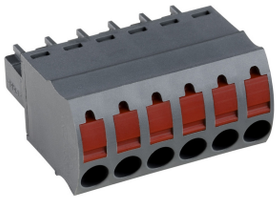
Technical Data // AK4551/..KD-3.5-BASALTGREY

Spacing 3.5 mm

PTR HARTMANN
A Phoenix Mecano Company



Highlights	
2 to 20 poles	
Push-In connection	
Spacing 3.5 mm	
Wire entry parallel to plugging direction	
Coding with coding nose	
Lever for easy opening of clamping point	
Test jack on every clamping point	
Wire Sizes	
Solid min	0.14 mm²
Solid max	2.5 mm²
Stranded (flexible) min	0.14 mm²
Stranded (flexible) max	1.5 mm²
Stranded with ferrule min	0.25 mm²
Stranded with ferrule max	1.0 mm²
Dimensions	
Stripped length	11.0 mm
Materials	
Contact spring	Copper Alloy
Clamp spring	Stainless Steel
Insulating Material	
Material	PA 6.6
Flammability class	UL 94 V-0
Temperatures	
Operating temperature (without mech. load)	-40 °C - 105 °C
Store temperature	-40 °C - 105 °C
Wave Soldering Process	
Soldering temperature, recommended	-
Peak soldering time, recommended	-

Spacing 3.5 mm

Reflow Process

Soldering temperature, recommended	-
Peak soldering time, recommended	-

Colours

BASALT GREY, RAL 7012

GREEN, RAL 6018

LIGHT GREEN, similar RAL 6018

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

Ratings

		c UL us			VDE
UseGroup	B	C	D		
Rated voltage	300 V	-	300 V		160 V
Rated current	10 A	-	10 A		10 A
Overvoltage category					III
Rated wire size				min	max
- solid	AWG 26-16	-	AWG 26-16	0.14 mm² (3 A)	2.5 mm² (10 A)
- stranded	AWG 26-16	-	AWG 26-16	0.14 mm² (3 A)	1.5 mm² (10 A)
Test voltage	1.60 kV	-	1.60 kV		2.5 kV
Pollution degree					3

Counterparts (Spacing 3.5 mm)

Pin Strip

STL1550

In combination of connectors with different admission data, the lower value is valid.

Accessoires

Figure	Designation	Article Number
	Series AK(Z)4551 with pull relief	Order Data: on request

Spacing 3.5 mm

Order Data (Spacing 3.5 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
2	7.00	AK4551/2KD-3.5-BASALTGREY	54551020401 F	200
3	10.50	AK4551/3KD-3.5-BASALTGREY	54551030401 F	200
4	14.00	AK4551/4KD-3.5-BASALTGREY	54551040401 F	200
5	17.50	AK4551/5KD-3.5-BASALTGREY	54551050401 F	200
6	21.00	AK4551/6KD-3.5-BASALTGREY	54551060401 E	100
7	24.50	AK4551/7KD-3.5-BASALTGREY	54551070401 E	100
8	28.00	AK4551/8KD-3.5-BASALTGREY	54551080401 D	50
9	31.50	AK4551/9KD-3.5-BASALTGREY	54551090401 D	50
10	35.00	AK4551/10KD-3.5-BASALTGREY	54551100401 D	50
11	38.50	AK4551/11KD-3.5-BASALTGREY	54551110401 D	50
12	42.00	AK4551/12KD-3.5-BASALTGREY	54551120401 D	50
13	45.50	AK4551/13KD-3.5-BASALTGREY	54551130401 D	50
14	49.00	AK4551/14KD-3.5-BASALTGREY	54551140401 D	50
15	52.50	AK4551/15KD-3.5-BASALTGREY	54551150401 D	50
16	56.00	AK4551/16KD-3.5-BASALTGREY	54551160401 D	50
17	59.50	AK4551/17KD-3.5-BASALTGREY	54551170401 D	50
18	63.00	AK4551/18KD-3.5-BASALTGREY	54551180401 D	50
19	66.50	AK4551/19KD-3.5-BASALTGREY	54551190401 D	50
20	70.00	AK4551/20KD-3.5-BASALTGREY	54551200401 D	50

Technical drawing

