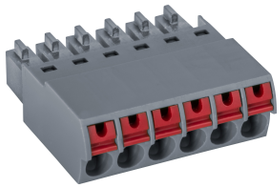
NEW

Technical Data // AK4541/..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	0.2 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	1.5 mm²
Dimensions	
Stripped length	10.0 mm
Materials	
Contact spring	tin-plated
Clamp spring	Stainless Steel
Insulating Material	
Material	PA 6.6
Flammability class	UL 94 V-0
Temperatures	
Operating temperature	-40 °C (without mech. load) - 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			DVE	
UseGroup	B	C	D			
Rated voltage	150 V	50 V	150 V		320 V	
Rated current	8 A	8 A	8 A		10 A	
Overvoltage category					II	
Rated wire size				min		max
- solid	AWG 24-16	AWG 24-16	AWG 24-16	0.2 mm²		1.5 mm²
- stranded	-	-	-	-		-
- stranded (flexible)	AWG 24-16	AWG 24-16	AWG 24-16	0.2 mm²		1.5 mm²
Test voltage	1.30 kV	1.10 kV	1.30 kV		2.5 kV	
Pollution degree					2	

Counterparts (Spacing 3.5 mm)

Pin Strip	
STL1541	STL1550

Accessoires

Figure	Designation	Article Number
	Series AK4541 with pull relief	Art.-Nr. on request

Spacing 3.5 mm

Order Data (Spacing 3.5 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
2	7.70	AK4541/2KD-3.5-BASALTGREY	54541020401 G	250
3	11.20	AK4541/3KD-3.5-BASALTGREY	54541030401 F	200
4	14.70	AK4541/4KD-3.5-BASALTGREY	54541040401 F	200
5	18.20	AK4541/5KD-3.5-BASALTGREY	54541050401 E	100
6	21.70	AK4541/6KD-3.5-BASALTGREY	54541060401 E	100
7	25.20	AK4541/7KD-3.5-BASALTGREY	54541070401 D	50
8	28.70	AK4541/8KD-3.5-BASALTGREY	54541080401 D	50
9	32.20	AK4541/9KD-3.5-BASALTGREY	54541090401 D	50
10	35.70	AK4541/10KD-3.5-BASALTGREY	54541100401 D	50
11	39.20	AK4541/11KD-3.5-BASALTGREY	54541110401 D	50
12	42.70	AK4541/12KD-3.5-BASALTGREY	54541120401 D	50
13	46.20	AK4541/13KD-3.5-BASALTGREY	54541130401 D	50
14	49.70	AK4541/14KD-3.5-BASALTGREY	54541140401 D	50
15	53.20	AK4541/15KD-3.5-BASALTGREY	54541150401 D	50
16	56.70	AK4541/16KD-3.5-BASALTGREY	54541160401 D	50
17	60.20	AK4541/17KD-3.5-BASALTGREY	54541170401 D	50
18	63.70	AK4541/18KD-3.5-BASALTGREY	54541180401 D	50
19	67.20	AK4541/19KD-3.5-BASALTGREY	54541190401 D	50
20	70.70	AK4541/20KD-3.5-BASALTGREY	54541200401 D	50

Technical drawing

