



### 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 mm <sup>2</sup>
Solid max	1.5 mm <sup>2</sup>
Stranded (flexible) min	0.14 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	1.0 mm <sup>2</sup>

### Dimensions

Stripped length	9.0 ... 10.0 mm
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### Materials

Contact spring	Copper Alloy
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	-

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

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**

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 mm <sup>2</sup> (3 A)	2.5 mm <sup>2</sup> (10 A)
- stranded	-	-	-	-	-
- stranded (flexible)	AWG 26-16	-	AWG 26-16	0.14 mm <sup>2</sup> (3 A)	1.5 mm <sup>2</sup> (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	Art.-Nr. on request



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

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

