



### Highlights

Wire entry parallel to plugging direction

### 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	7.0 mm
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### Materials

Clamp	Brass
Screw	Bronze
Contact spring	Bronze

### 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	-

### Reflow Process

Soldering temperature, recommended	-
Peak soldering time, recommended	-

**Technical Data // AKZ1550/..-3.81-GREEN**

Spacing 3.81 mm

**Colours**

GREEN, RAL 6018

BLACK, RAL 9011

BLUE, RAL 5015

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
Rated current	8 A	-	8 A
Rated wire size			
- solid	AWG 28-16	-	AWG 28-16
- stranded	AWG 28-16	-	AWG 28-16
Torque	0.25 Nm	-	0.25 Nm
Screw size	M2	-	M2

**Ratings**

Overvoltage category	III	III		
Pollution Degree	3	2		
Rated voltage	160 V	400 V		
Rated current	8 A	8 A		
Rated wire size	min	max	min	max
- solid	0.5 mm <sup>2</sup> (6 A)	1.5 mm <sup>2</sup> (8 A)	0.5 mm <sup>2</sup> (6 A)	1.5 mm <sup>2</sup> (8 A)
- stranded	0.5 mm <sup>2</sup> (6 A)	1.5 mm <sup>2</sup> (8 A)	0.5 mm <sup>2</sup> (6 A)	1.5 mm <sup>2</sup> (8 A)
Torque	0.25 Nm	0.25 Nm		
Screw size	M2	M2		
Test voltage	2.5 kV	2.5 kV		

**Counterparts (Spacing 3.81 mm)**

Pin Strip

STLZ1550

STLZ1570

STLZ1590

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

Spacing 3.81 mm

**Accessoires**

Figure	Designation	Article Number
	Series AK(Z)1550 with pull relief	Art.-Nr. on request
	Bridge, 2-pole, BR/2-3.5/3.81-L7.5	Art.-Nr. 50000000015
	Bridge, 3-pole, BR/3-3.5/3.81-L7.5	Art.-Nr. 50000000016
	Bridge, 2-pole, insulated, BRI/2-7.0/7.62-L7.5-LIGHT GREY	Art.-Nr. 50000000018
	Bridge, 2-pole, angled, BR/2-3.5/3.81-H-L7.5	Art.-Nr. 50000000029

**Order Data (Spacing 3.81 mm)**

Number of Poles	Width (mm)	Article Designation	Article Number	PU
2	7.62	AKZ1550/2-3.81-GREEN	51550020025 F	200
3	11.43	AKZ1550/3-3.81-GREEN	51550030025 F	200
4	15.24	AKZ1550/4-3.81-GREEN	51550040025 F	200
5	19.05	AKZ1550/5-3.81-GREEN	51550050025 F	200
6	22.86	AKZ1550/6-3.81-GREEN	51550060025 E	100
7	26.67	AKZ1550/7-3.81-GREEN	51550070025 E	100
8	30.48	AKZ1550/8-3.81-GREEN	51550080025 D	50
9	34.29	AKZ1550/9-3.81-GREEN	51550090025 D	50
10	38.10	AKZ1550/10-3.81-GREEN	51550100025 D	50
11	41.91	AKZ1550/11-3.81-GREEN	51550110025 D	50
12	45.72	AKZ1550/12-3.81-GREEN	51550120025 D	50
13	49.53	AKZ1550/13-3.81-GREEN	51550130025 D	50
14	53.34	AKZ1550/14-3.81-GREEN	51550140025 D	50
15	57.15	AKZ1550/15-3.81-GREEN	51550150025 D	50
16	60.96	AKZ1550/16-3.81-GREEN	51550160025 D	50
17	64.77	AKZ1550/17-3.81-GREEN	51550170025 D	50
18	68.58	AKZ1550/18-3.81-GREEN	51550180025 D	50
19	72.39	AKZ1550/19-3.81-GREEN	51550190025 D	50
20	76.20	AKZ1550/20-3.81-GREEN	51550200025 D	50



Spacing 3.81 mm

Technical drawing

