



Technical Data // **AK1550/..F-3.5-GREEN**

Spacing 3.5 mm



Highlights

2 to 20 poles

Lift type

Spacing 3.5 mm

Wire entry parallel to plugging direction

With fixing flange

Coding with coding nose

Wire Sizes

Solid min 0.14 mm²

Solid max 1.5 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 7.0 mm

Materials

Clamp Brass

Screw Bronze

Screw, flange Steel

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 -



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Reflow Process

Soldering temperature, recommended -

Peak soldering time, recommended -

Colours

GREEN, RAL 6018

BLACK, RAL 9011

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 ² (6 A) 1.5 mm ² (8 A)	0.5 mm ² (6 A) 1.5 mm ² (8 A)
- stranded	0.5 mm ² (6 A) 1.5 mm ² (8 A)	0.5 mm ² (6 A) 1.5 mm ² (8 A)
Torque	0.25 Nm	0.25 Nm
Screw size	M2	M2
Test voltage	2.5 kV	2.5 kV

Counterparts (Spacing 3.5 mm)

Pin Strip

STL1550

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

Spacing 3.5 mm

Accessoires

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

Order Data (Spacing 3.5 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
2	17.40	AK1550/2F-3.5-GREEN	51550022001 F	200
3	20.90	AK1550/3F-3.5-GREEN	51550032001 F	200
4	24.40	AK1550/4F-3.5-GREEN	51550042001 F	200
5	27.90	AK1550/5F-3.5-GREEN	51550052001 F	200
6	31.40	AK1550/6F-3.5-GREEN	51550062001 E	100
7	34.90	AK1550/7F-3.5-GREEN	51550072001 D	50
8	38.40	AK1550/8F-3.5-GREEN	51550082001 D	50
9	41.90	AK1550/9F-3.5-GREEN	51550092001 D	50
10	45.40	AK1550/10F-3.5-GREEN	51550102001 D	50
11	48.90	AK1550/11F-3.5-GREEN	51550112001 D	50
12	52.40	AK1550/12F-3.5-GREEN	51550122001 D	50
13	55.90	AK1550/13F-3.5-GREEN	51550132001 D	50
14	59.40	AK1550/14F-3.5-GREEN	51550142001 D	50
15	62.90	AK1550/15F-3.5-GREEN	51550152001 D	50
16	66.40	AK1550/16F-3.5-GREEN	51550162001 D	50
17	69.90	AK1550/17F-3.5-GREEN	51550172001 D	50
18	73.40	AK1550/18F-3.5-GREEN	51550182001 D	50
19	76.90	AK1550/19F-3.5-GREEN	51550192001 D	50
20	80.40	AK1550/20F-3.5-GREEN	51550202001 D	50



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Technical drawing

