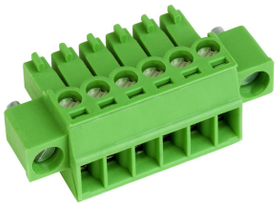
Technical Data // AKZ1550/..F-3.81-GREEN

Spacing 3.81 mm

PTR HARTMANN
A Phoenix Mecano Company



Highlights	
2 to 20 poles	
Lift type	
Spacing 3.81 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	-

Spacing 3.81 mm

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

	c UL us			VDE	
UseGroup	B	C	D		
Rated voltage	300 V	-	300 V	160 V	
Rated current	8 A	-	8 A	8 A	
Overvoltage category				III	
Rated wire size				min	max
- solid	AWG 28-16	-	AWG 28-16	0.5 mm² (6 A)	1.5 mm² (8 A)
- stranded	-	-	-	-	-
- stranded (flexible)	AWG 28-16	-	AWG 28-16	0.5 mm² (6 A)	1.5 mm² (8 A)
Torque	0.25 Nm	-	0.25 Nm	0.25 Nm	
Screw size	M2	-	M2	M2	
Test voltage	1.60 kV	-	1.60 kV	2.5 kV	
Pollution degree				3	

Counterparts (Spacing 3.81 mm)

Pin Strip	
STLZ1550	STLZ1570

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	17.22	AKZ1550/2F-3.81-GREEN	51550022025 F	200
3	21.03	AKZ1550/3F-3.81-GREEN	51550032025 F	200
4	24.84	AKZ1550/4F-3.81-GREEN	51550042025 F	200
5	28.65	AKZ1550/5F-3.81-GREEN	51550052025 F	200
6	32.46	AKZ1550/6F-3.81-GREEN	51550062025 E	100
7	36.27	AKZ1550/7F-3.81-GREEN	51550072025 D	50
8	40.08	AKZ1550/8F-3.81-GREEN	51550082025 D	50
9	43.89	AKZ1550/9F-3.81-GREEN	51550092025 D	50
10	47.70	AKZ1550/10F-3.81-GREEN	51550102025 D	50
11	51.51	AKZ1550/11F-3.81-GREEN	51550112025 D	50
12	55.32	AKZ1550/12F-3.81-GREEN	51550122025 D	50
13	59.13	AKZ1550/13F-3.81-GREEN	51550132025 D	50
14	62.94	AKZ1550/14F-3.81-GREEN	51550142025 D	50
15	66.75	AKZ1550/15F-3.81-GREEN	51550152025 D	50
16	70.56	AKZ1550/16F-3.81-GREEN	51550162025 D	50
17	74.37	AKZ1550/17F-3.81-GREEN	51550172025 D	50
18	78.18	AKZ1550/18F-3.81-GREEN	51550182025 D	50
19	81.99	AKZ1550/19F-3.81-GREEN	51550192025 D	50
20	85.80	AKZ1550/20F-3.81-GREEN	51550202025 D	50

Spacing 3.81 mm

Technical drawing

