



Highlights

2 to 20 poles

Lift type

Spacing 3.81 mm

Wire entry vertical to plugging direction

Coding nose on wire entry side

Wire Sizes

Solid min	0.14 mm ²
Solid max	1.5 mm ²
Stranded (flexible) min	0.14 mm ²
Stranded (flexible) max	1.5 mm ²
Stranded with ferrule min	0.25 mm ²
Stranded with ferrule max	1.0 mm ²

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	-

Spacing 3.81 mm

Reflow Process

Soldering temperature, recommended -

Peak soldering time, recommended -

Colours

GREEN, RAL 6018

LIGHT GREY, RAL 7035

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	8 A	-	8 A	8 A	
Overvoltage category				III	
Rated wire size				min	max
- solid	AWG 28-16	-	AWG 28-16	0.5 mm ² (6 A)	1.5 mm ² (8 A)
- stranded	-	-	-	-	-
- stranded (flexible)	AWG 28-16	-	AWG 28-16	0.5 mm ² (6 A)	1.5 mm ² (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	STLZ1590
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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	AKZ1700/2-3.81-GREEN	51700020021 F	200
3	11.43	AKZ1700/3-3.81-GREEN	51700030021 F	200
4	15.24	AKZ1700/4-3.81-GREEN	51700040021 F	200
5	19.05	AKZ1700/5-3.81-GREEN	51700050021 F	200
6	22.86	AKZ1700/6-3.81-GREEN	51700060021 E	100
7	26.67	AKZ1700/7-3.81-GREEN	51700070021 E	100
8	30.48	AKZ1700/8-3.81-GREEN	51700080021 D	50
9	34.29	AKZ1700/9-3.81-GREEN	51700090021 D	50
10	38.10	AKZ1700/10-3.81-GREEN	51700100021 D	50
11	41.91	AKZ1700/11-3.81-GREEN	51700110021 D	50
12	45.72	AKZ1700/12-3.81-GREEN	51700120021 D	50
13	49.53	AKZ1700/13-3.81-GREEN	51700130021 D	50
14	53.34	AKZ1700/14-3.81-GREEN	51700140021 D	50
15	57.15	AKZ1700/15-3.81-GREEN	51700150021 D	50
16	60.96	AKZ1700/16-3.81-GREEN	51700160021 D	50
17	64.77	AKZ1700/17-3.81-GREEN	51700170021 D	50
18	68.58	AKZ1700/18-3.81-GREEN	51700180021 D	50
19	72.39	AKZ1700/19-3.81-GREEN	51700190021 D	50
20	76.20	AKZ1700/20-3.81-GREEN	51700200021 D	50



Technical Data // **AKZ1700/..-3.81-GREEN**

PTR HARTMANN

A Phoenix Mecano Company

Spacing 3.81 mm

Technical drawing

