PTR HARTMANN
A Phoenix Mecano Company



Highlights	
2 to 20 poles	
Lift type	
Spacing 3.5 mm	
Wire entry parallel to plugging direction	
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
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 3.5 mm

Reflow Process

Soldering temperature, recommended	-
Peak soldering time, recommended	-

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

		c UL us	
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

			DVE	
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 mm² (6 A)	1.5 mm² (8 A)	0.5 mm² (6 A)	1.5 mm² (8 A)
- stranded	0.5 mm² (6 A)	1.5 mm² (8 A)	0.5 mm² (6 A)	1.5 mm² (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	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 3.5 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
2	7.00	AK1550/2-3.5-GREEN	51550020001 F	200
3	10.50	AK1550/3-3.5-GREEN	51550030001 F	200
4	14.00	AK1550/4-3.5-GREEN	51550040001 F	200
5	17.50	AK1550/5-3.5-GREEN	51550050001 F	200
6	21.00	AK1550/6-3.5-GREEN	51550060001 E	100
7	24.50	AK1550/7-3.5-GREEN	51550070001 E	100
8	28.00	AK1550/8-3.5-GREEN	51550080001 D	50
9	31.50	AK1550/9-3.5-GREEN	51550090001 D	50
10	35.00	AK1550/10-3.5-GREEN	51550100001 D	50
11	38.50	AK1550/11-3.5-GREEN	51550110001 D	50
12	42.00	AK1550/12-3.5-GREEN	51550120001 D	50
13	45.50	AK1550/13-3.5-GREEN	51550130001 D	50
14	49.00	AK1550/14-3.5-GREEN	51550140001 D	50
15	52.50	AK1550/15-3.5-GREEN	51550150001 D	50
16	56.00	AK1550/16-3.5-GREEN	51550160001 D	50
17	59.50	AK1550/17-3.5-GREEN	51550170001 D	50
18	63.00	AK1550/18-3.5-GREEN	51550180001 D	50
19	66.50	AK1550/19-3.5-GREEN	51550190001 D	50
20	70.00	AK1550/20-3.5-GREEN	51550200001 D	50

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Technical drawing

