PTR HARTMANN
A Phoenix Mecano Company



Highlights	
2 to 20 poles	
Lift type	
Spacing 5.08 mm	
Wire entry vertical to plugging direction	
Coding with coding star	
With snap-in hooks to snap onto the pin strip	
Wire Sizes	
Solid min	0.2 mm²
Solid max	4.0 mm²
Stranded (flexible) min	0.2 mm²
Stranded (flexible) max	2.5 mm²
Stranded with ferrule min	0.25 mm²
Stranded with ferrule max	2.5 mm²
Dimensions	
Stripped length	7.0 mm
Materials	
Clamp	Brass
Screw	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 5.08 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

		c UL us		VDE	
UseGroup	B	C	D		
Rated voltage	300 V	150 V	-	250 V	
Rated current	15 A	15 A	-	10 A	
Overvoltage category				III	
Rated wire size				min	max
- solid	AWG 28-10	AWG 28-10	-	0.5 mm² (6 A)	2.5 mm² (10 A)
- stranded	-	-	-	-	-
- stranded (flexible)	AWG 28-10	AWG 28-10	-	0.5 mm² (6 A)	2.5 mm² (10 A)
Torque	0.50 Nm	0.50 Nm	-	0.50 Nm	
Screw size	M3	M3	-	M3	
Test voltage	1.60 kV	1.30 kV	-	4.0 kV	
Pollution degree				3	

Counterparts (Spacing 5.08 mm)

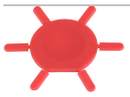
Pin Strip/Terminal Block

STLZ950	STLZ950-HT	STLZ950-G-HT	STLZ970	STLZ990	AKZ950	AKZS950

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

Spacing 5.08 mm

Accessoires

Figure	Designation	Article Number
	Series AK(Z)1100 with pull relief	Art.-Nr. on request
	Bridge, 2-pole, insulated, BRI/2-5.0/5.08-LIGHT GREY	Art.-Nr. 50000000006
	Bridge, 3-pole, insulated, BRI/3-5.0/5.08-LIGHT GREY	Art.-Nr. 50000000007
	Coding Star CS1-5.0/5.08-RED	Art.-Nr. 50000000021
	Bridge, 2-pole, BR/2-5.0/5.08-L7.0	Art.-Nr. 50000000008
	Series AK(Z)1100 with separating element	Art.-Nr. on request

Order Data (Spacing 5.08 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
2	10.16	AKZ1100/2-5.08-GREEN	51100020001 F	200
3	15.24	AKZ1100/3-5.08-GREEN	51100030001 F	200
4	20.32	AKZ1100/4-5.08-GREEN	51100040001 E	100
5	25.40	AKZ1100/5-5.08-GREEN	51100050001 E	100
6	30.48	AKZ1100/6-5.08-GREEN	51100060001 E	100
7	35.56	AKZ1100/7-5.08-GREEN	51100070001 E	100
8	40.64	AKZ1100/8-5.08-GREEN	51100080001 D	50
9	45.72	AKZ1100/9-5.08-GREEN	51100090001 D	50
10	50.80	AKZ1100/10-5.08-GREEN	51100100001 D	50
11	55.88	AKZ1100/11-5.08-GREEN	51100110001 D	50
...	...	...	...	...
18	91.44	AKZ1100/18-5.08-GREEN	51100180001 D	50
19	96.52	AKZ1100/19-5.08-GREEN	51100190001 D	50
20	101.60	AKZ1100/20-5.08-GREEN	51100200001 D	50

Spacing 5.08 mm

Technical drawing

