Technical Data // AK3950/..-5.0-GREEN

Spacing 5.0 mm

PTR HARTMANN
A Phoenix Mecano Company



Highlights	
2 to 24 poles	
1 pole module	
Spacing 5.0 mm	
Coding with coding star	
Tension spring type	
Test jack on every clamping point	
With snap-in hooks to snap onto the pin strip	
Wire Sizes	
Solid min	0.08 mm²
Solid max	2.5 mm²
Stranded (flexible) min	0.08 mm²
Stranded (flexible) max	2.5 mm²
Stranded with ferrule min	0.14 mm²
Stranded with ferrule max	1.5 mm²
Dimensions	
Stripped length	8.5 mm
Materials	
Contact spring	Copper Alloy
Tension spring	Stainless Steel
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

PEBBLE GREY, RAL 7032

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	250 V	
Rated current	15 A	-	10 A	12 A	
Overvoltage category				III	
Rated wire size				min	max
- solid	AWG 28-12	-	AWG 28-12	0.5 mm² (5 A)	2.5 mm² (12 A)
- stranded	-	-	-	-	-
- stranded (flexible)	AWG 28-12	-	AWG 28-12	0.5 mm² (5 A)	2.5 mm² (12 A)
Test voltage	1.60 kV	-	1.60 kV	4.0 kV	
Pollution degree				3	

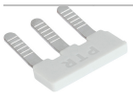
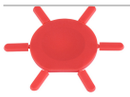
Counterparts (Spacing 5.0 mm)

Pin Strip

STL950	STL950-HT	STL950-G-HT	STL955	STL975

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

Accessoires

Figure	Designation	Article Number
	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

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Order Data (Spacing 5.0 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
2	11.60	AK3950/2-5.0-GREEN	53950020001 D	50
3	16.60	AK3950/3-5.0-GREEN	53950030001 D	50
4	21.60	AK3950/4-5.0-GREEN	53950040001 D	50
5	26.60	AK3950/5-5.0-GREEN	53950050001 D	50
6	31.60	AK3950/6-5.0-GREEN	53950060001 D	50
7	36.60	AK3950/7-5.0-GREEN	53950070001 D	50
8	41.60	AK3950/8-5.0-GREEN	53950080001 D	50
9	46.60	AK3950/9-5.0-GREEN	53950090001 D	50
10	51.60	AK3950/10-5.0-GREEN	53950100001 D	50
11	56.60	AK3950/11-5.0-GREEN	53950110001 D	50
12	61.60	AK3950/12-5.0-GREEN	53950120001 D	50
13	66.60	AK3950/13-5.0-GREEN	53950130001 D	50
14	71.60	AK3950/14-5.0-GREEN	53950140001 D	50
15	76.60	AK3950/15-5.0-GREEN	53950150001 D	50
16	81.60	AK3950/16-5.0-GREEN	53950160001 D	50
17	86.60	AK3950/17-5.0-GREEN	53950170001 D	50
18	91.60	AK3950/18-5.0-GREEN	53950180001 D	50
19	96.60	AK3950/19-5.0-GREEN	53950190001 D	50
20	101.60	AK3950/20-5.0-GREEN	53950200001 D	50
21	106.60	AK3950/21-5.0-GREEN	53950210001 D	50
22	111.60	AK3950/22-5.0-GREEN	53950220001 D	50
23	116.60	AK3950/23-5.0-GREEN	53950230001 D	50
24	121.60	AK3950/24-5.0-GREEN	53950240001 D	50

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Technical drawing

