PTR HARTMANN
A Phoenix Mecano Company

Highlights	
2 to 16 poles	
Lift type	
Spacing 5.0 mm	
Wire entry parallel to plugging direction	
Coding with coding star	
With fixing flange	
High current connector up to 16.0 A	
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	6.0 mm
Materials	
Clamp	Brass
Screw	Steel
Screw, flange	Steel
Contact spring	Copper Alloy
Insulating Material	
Material	PA 6.6
Flammability class	UL 94 V-0
Temperatures	
Operating temperature (without mech. load)	-40 °C - 105 °C
Store temperature	-40 °C - 105 °C

Spacing 5.0 mm

Wave Soldering Process

Soldering temperature, recommended	-
Peak soldering time, recommended	-

Reflow Process

Soldering temperature, recommended	-
Peak soldering time, recommended	-

Colours

GREEN, RAL 6018

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	300 V		250 V
Rated current	16 A	16 A	10 A		16 A
Overvoltage category					III
Rated wire size				min	max
- solid	AWG 22-12	AWG 22-12	AWG 22-12	0.5 mm² (5 A)	2.5 mm² (16 A)
- stranded	AWG 22-12	AWG 22-12	AWG 22-12	0.5 mm² (5 A)	2.5 mm² (16 A)
Torque	0.50 Nm	0.50 Nm	0.50 Nm		0.50 Nm
Screw size	M3	M3	M3		M3
Test voltage	1.60 kV	1.30 kV	1.60 kV		4.0 kV
Pollution degree					3

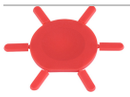
Counterparts (Spacing 5.0 mm)

Pin Strip	
STL950	STL950-HC-HT

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

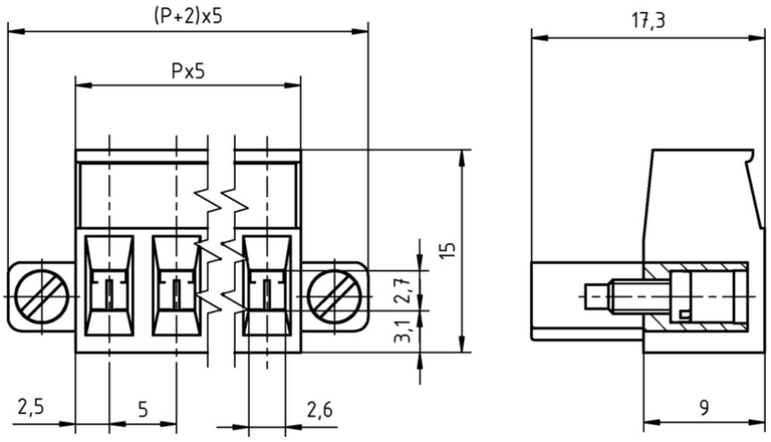
Spacing 5.0 mm

Accessoires

Figure	Designation	Article Number
	Series AK(Z)950 with pull relief	Order Data: on request
	Bridge, 2-pole, insulated, BRI/2-5.0/5.08-LIGHT GREY	Order Data: 50000000006
	Bridge, 3-pole, insulated, BRI/3-5.0/5.08-LIGHT GREY	Order Data: 50000000007
	Coding Star CS1-5.0/5.08-RED	Order Data: 50000000021
	Bridge, 2-pole, BR/2-5.0/5.08-L7.0	Order Data: 50000000008
	Series AK(Z)950 with Separating Element	Order Data: on request

Order Data (Spacing 5.0 mm)

Number of Poles	Width (mm)	Article Designation	Article Number	PU
2	20.00	AK950/2F-5.0-GREEN-HC	50950022009 F	200
3	25.00	AK950/3F-5.0-GREEN-HC	50950032009 F	200
4	30.00	AK950/4F-5.0-GREEN-HC	50950042009 F	200
5	35.00	AK950/5F-5.0-GREEN-HC	50950052009 E	100
6	40.00	AK950/6F-5.0-GREEN-HC	50950062009 E	100
7	45.00	AK950/7F-5.0-GREEN-HC	50950072009 E	100
8	50.00	AK950/8F-5.0-GREEN-HC	50950082009 D	50
9	55.00	AK950/9F-5.0-GREEN-HC	50950092009 D	50
10	60.00	AK950/10F-5.0-GREEN-HC	50950102009 D	50
11	65.00	AK950/11F-5.0-GREEN-HC	50950112009 D	50
12	70.00	AK950/12F-5.0-GREEN-HC	50950122009 D	50
13	75.00	AK950/13F-5.0-GREEN-HC	50950132009 D	50
14	80.00	AK950/14F-5.0-GREEN-HC	50950142009 D	50
15	85.00	AK950/15F-5.0-GREEN-HC	50950152009 D	50
16	90.00	AK950/16F-5.0-GREEN-HC	50950162009 D	50

Spacing 5.0 mm

Technical drawing