PTR HARTMANN
A Phoenix Mecano Company

| | |
|---|---|
| **Highlights** | |
| 2 to 24 poles | |
| Lift type | |
| Spacing 5.0 mm | |
| Wire entry parallel 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 | 6.0 mm |
| **Materials** | |
| Clamp | Brass |
| Screw | Steel |
| Contact spring | Bronze |
| **Insulating Material** | |
| Material | PA 6.6 |
| Flammability class | UL 94 V-0 |
| **Temperatures** | |
| Operating temperature (without mech. load) | -40 °C - 105 °C |
| Store temperature | -40 °C - 105 °C |
| **Wave Soldering Process** | |
| Soldering temperature, recommended | - |
| Peak soldering time, recommended | - |

Spacing 5.0 mm

## Reflow Process

| | |
|---|---|
| Soldering temperature, recommended | - |
| Peak soldering time, recommended | - |

## Colours

GREEN, RAL 6018

BLACK, RAL 9011

PEBBLE GREY, RAL 7032

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 | 15 A | 15 A | 10 A | 12 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 (12 A) |
| - stranded | AWG 22-12 | AWG 22-12 | AWG 22-12 | 0.5 mm² (5 A) | 2.5 mm² (12 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)

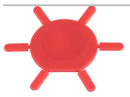
Pin Strip

| | | | | |
|---|---|---|---|---|
| STL950 | STL950-HT | STL950-G-HT | STL955 | STL975 |

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

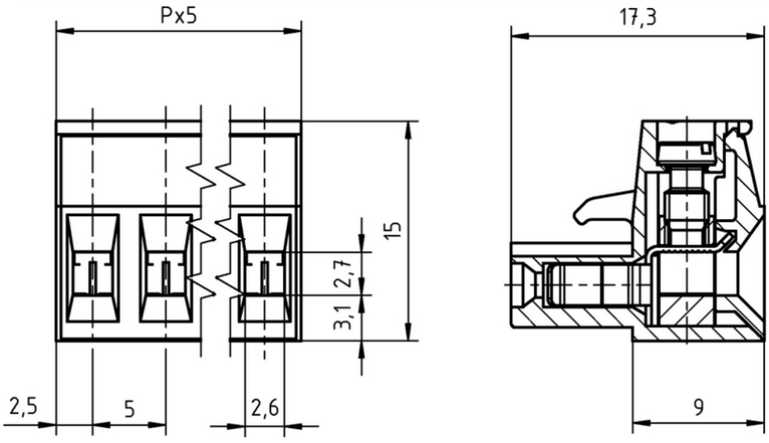
Spacing 5.0 mm

## 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 | 10.00 | AK950/2-5.0-GREEN | 50950020001 F | 200 |
| 3 | 15.00 | AK950/3-5.0-GREEN | 50950030001 F | 200 |
| 4 | 20.00 | AK950/4-5.0-GREEN | 50950040001 F | 200 |
| 5 | 25.00 | AK950/5-5.0-GREEN | 50950050001 E | 100 |
| 6 | 30.00 | AK950/6-5.0-GREEN | 50950060001 E | 100 |
| 7 | 35.00 | AK950/7-5.0-GREEN | 50950070001 E | 100 |
| 8 | 40.00 | AK950/8-5.0-GREEN | 50950080001 D | 50 |
| 9 | 45.00 | AK950/9-5.0-GREEN | 50950090001 D | 50 |
| 10 | 50.00 | AK950/10-5.0-GREEN | 50950100001 D | 50 |
| 11 | 55.00 | AK950/11-5.0-GREEN | 50950110001 D | 50 |
| ... | ... | ... | ... | ... |
| 18 | 90.00 | AK950/18-5.0-GREEN | 50950180001 D | 50 |
| 19 | 95.00 | AK950/19-5.0-GREEN | 50950190001 D | 50 |
| 20 | 100.00 | AK950/20-5.0-GREEN | 50950200001 D | 50 |
| 21 | 105.00 | AK950/21-5.0-GREEN | 50950210001 D | 50 |
| 22 | 110.00 | AK950/22-5.0-GREEN | 50950220001 D | 50 |
| 23 | 115.00 | AK950/23-5.0-GREEN | 50950230001 D | 50 |
| 24 | 120.00 | AK950/24-5.0-GREEN | 50950240001 D | 50 |

Spacing 5.0 mm

## Technical drawing