PTR HARTMANN
A Phoenix Mecano Company



| | |
|---|---|
| **Highlights** | |
| 2 to 20 poles | |
| Lift type | |
| Spacing 3.5 mm | |
| Wire entry vertical to plugging direction | |
| Coding nose on wire entry side | |
| **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

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 | - | 300 V | 160 V | |
| Rated current | 8 A | - | 8 A | 8 A | |
| Overvoltage category | | | | III | |
| Rated wire size | | | | min | max |
| - solid | AWG 28-16 | - | AWG 28-16 | 0.5 mm² (6 A) | 1.5 mm² (8 A) |
| - stranded | - | - | - | - | - |
| - stranded (flexible) | AWG 28-16 | - | AWG 28-16 | 0.5 mm² (6 A) | 1.5 mm² (8 A) |
| Torque | 0.25 Nm | - | 0.25 Nm | 0.25 Nm | |
| Screw size | M2 | - | M2 | M2 | |
| Test voltage | 1.60 kV | - | 1.60 kV | 2.5 kV | |
| Pollution degree | | | | 3 | |

## 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)1700 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 | AK1700/2-3.5-GREEN | 51700020001 F | 200 |
| 3 | 10.50 | AK1700/3-3.5-GREEN | 51700030001 F | 200 |
| 4 | 14.00 | AK1700/4-3.5-GREEN | 51700040001 F | 200 |
| 5 | 17.50 | AK1700/5-3.5-GREEN | 51700050001 F | 200 |
| 6 | 21.00 | AK1700/6-3.5-GREEN | 51700060001 E | 100 |
| 7 | 24.50 | AK1700/7-3.5-GREEN | 51700070001 E | 100 |
| 8 | 28.00 | AK1700/8-3.5-GREEN | 51700080001 D | 50 |
| 9 | 31.50 | AK1700/9-3.5-GREEN | 51700090001 D | 50 |
| 10 | 35.00 | AK1700/10-3.5-GREEN | 51700100001 D | 50 |
| 11 | 38.50 | AK1700/11-3.5-GREEN | 51700110001 D | 50 |
| 12 | 42.00 | AK1700/12-3.5-GREEN | 51700120001 D | 50 |
| 13 | 45.50 | AK1700/13-3.5-GREEN | 51700130001 D | 50 |
| 14 | 49.00 | AK1700/14-3.5-GREEN | 51700140001 D | 50 |
| 15 | 52.50 | AK1700/15-3.5-GREEN | 51700150001 D | 50 |
| 16 | 56.00 | AK1700/16-3.5-GREEN | 51700160001 D | 50 |
| 17 | 59.50 | AK1700/17-3.5-GREEN | 51700170001 D | 50 |
| 18 | 63.00 | AK1700/18-3.5-GREEN | 51700180001 D | 50 |
| 19 | 66.50 | AK1700/19-3.5-GREEN | 51700190001 D | 50 |
| 20 | 70.00 | AK1700/20-3.5-GREEN | 51700200001 D | 50 |

Spacing 3.5 mm

## Technical drawing

