



Highlights

2 to 20 poles

Lift type

Spacing 3.5 mm

Wire entry parallel to plugging direction

Coding with coding nose

Wire Sizes

| | |
|---------------------------|----------------------|
| Solid min | 0.14 mm ² |
| Solid max | 1.5 mm ² |
| Stranded (flexible) min | 0.14 mm ² |
| Stranded (flexible) max | 1.5 mm ² |
| Stranded with ferrule min | 0.25 mm ² |
| Stranded with ferrule max | 1.0 mm ² |

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

BLACK, RAL 9011

BLUE, RAL 5015

LIGHT GREEN, similar RAL 6018

Colours according to RAL, there may be variations on colour due to production conditions.
Special colours on request.

Ratings



| UseGroup | B | C | D |
|-----------------|-----------|---|-----------|
| Rated voltage | 300 V | - | 300 V |
| Rated current | 8 A | - | 8 A |
| Rated wire size | | | |
| - solid | AWG 28-16 | - | AWG 28-16 |
| - stranded | AWG 28-16 | - | AWG 28-16 |
| Torque | 0.25 Nm | - | 0.25 Nm |
| Screw size | M2 | - | M2 |

Ratings



| Overvoltage category | III | III |
|----------------------|---|---|
| Pollution Degree | 3 | 2 |
| Rated voltage | 160 V | 400 V |
| Rated current | 8 A | 8 A |
| Rated wire size | min max | min max |
| - solid | 0.5 mm ² (6 A) 1.5 mm ² (8 A) | 0.5 mm ² (6 A) 1.5 mm ² (8 A) |
| - stranded | 0.5 mm ² (6 A) 1.5 mm ² (8 A) | 0.5 mm ² (6 A) 1.5 mm ² (8 A) |
| Torque | 0.25 Nm | 0.25 Nm |
| Screw size | M2 | M2 |
| Test voltage | 2.5 kV | 2.5 kV |

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)1550 with pull relief | Art.-Nr. on request |
|  | Bridge, 2-pole, BR/2-3.5/3.81-L7.5 | Art.-Nr. 5000000015 |
|  | Bridge, 3-pole, BR/3-3.5/3.81-L7.5 | Art.-Nr. 5000000016 |
|  | Bridge, 2-pole, insulated, BRI/2-7.0/7.62-L7.5-LIGHT GREY | Art.-Nr. 5000000018 |
|  | Bridge, 2-pole, angled, BR/2-3.5/3.81-H-L7.5 | Art.-Nr. 5000000029 |

Order Data (Spacing 3.5 mm)

| Number of Poles | Width (mm) | Article Designation | Article Number | PU |
|-----------------|------------|---------------------|----------------|-----|
| 2 | 7.00 | AK1550/2-3.5-GREEN | 51550020001 F | 200 |
| 3 | 10.50 | AK1550/3-3.5-GREEN | 51550030001 F | 200 |
| 4 | 14.00 | AK1550/4-3.5-GREEN | 51550040001 F | 200 |
| 5 | 17.50 | AK1550/5-3.5-GREEN | 51550050001 F | 200 |
| 6 | 21.00 | AK1550/6-3.5-GREEN | 51550060001 E | 100 |
| 7 | 24.50 | AK1550/7-3.5-GREEN | 51550070001 E | 100 |
| 8 | 28.00 | AK1550/8-3.5-GREEN | 51550080001 D | 50 |
| 9 | 31.50 | AK1550/9-3.5-GREEN | 51550090001 D | 50 |
| 10 | 35.00 | AK1550/10-3.5-GREEN | 51550100001 D | 50 |
| 11 | 38.50 | AK1550/11-3.5-GREEN | 51550110001 D | 50 |
| 12 | 42.00 | AK1550/12-3.5-GREEN | 51550120001 D | 50 |
| 13 | 45.50 | AK1550/13-3.5-GREEN | 51550130001 D | 50 |
| 14 | 49.00 | AK1550/14-3.5-GREEN | 51550140001 D | 50 |
| 15 | 52.50 | AK1550/15-3.5-GREEN | 51550150001 D | 50 |
| 16 | 56.00 | AK1550/16-3.5-GREEN | 51550160001 D | 50 |
| 17 | 59.50 | AK1550/17-3.5-GREEN | 51550170001 D | 50 |
| 18 | 63.00 | AK1550/18-3.5-GREEN | 51550180001 D | 50 |
| 19 | 66.50 | AK1550/19-3.5-GREEN | 51550190001 D | 50 |
| 20 | 70.00 | AK1550/20-3.5-GREEN | 51550200001 D | 50 |



Technical Data // **AK1550/..-3.5-GREEN**

Spacing 3.5 mm

Technical drawing

