



Wire Sizes

| | |
|---------------------------|----------------------|
| Solid min | 0.08 mm ² |
| Solid max | 1.5 mm ² |
| Stranded (flexible) min | 0.08 mm ² |
| Stranded (flexible) max | 1.0 mm ² |
| Stranded with ferrule min | 0.14 mm ² |
| Stranded with ferrule max | 0.5 mm ² |

Dimensions

| | |
|-------------------|--------|
| Stripped length | 5.5 mm |
| PCB hole diameter | 1.2 mm |

Materials

| | |
|------------|-----------------|
| Clamp | Brass |
| Wire guard | Stainless Steel |
| Screw | Steel |

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 | 260 °C |
| Peak soldering time, recommended | 3-4 s |

Reflow Process

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

Spacing 3.5 mm

Colours

GREY, RAL 7016

PEBBLE GREY, RAL 7032

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

| UseGroup | UL US | | | VDE | |
|-----------------|-----------|---|---|---------------------|---------------------|
| | B | C | D | min | max |
| Rated voltage | 125 V | - | - | 130 V | |
| Rated current | 6 A | - | - | 13.5 A | |
| Rated wire size | | | | min | max |
| - solid | AWG 28-16 | - | - | 0.5 mm ² | 1.0 mm ² |
| - stranded | AWG 28-16 | - | - | 0.5 mm ² | 1.0 mm ² |
| Torque | 0.25 Nm | - | - | 0.20 Nm | |
| Screw size | M2 | - | - | M2 | |
| Test voltage | 1.25 kV | - | - | 1.25 kV | |

Accessoires

| Figure | Designation | Article Number |
|---|---|-------------------------|
|  | Bridge, 2-pole, insulated, BRI/2-7.0/7.62-L7.5-LIGHT GREY | Order Data: 50000000018 |
|  | Bridge, 2-pole, angled, BR/2-3.5/3.81-H-L7.5 | Order Data: 50000000029 |
|  | Bridge, 2-pole, BR/2-3.5/3.81-L7.5 | Order Data: 50000000015 |
|  | Bridge, 3-pole, BR/3-3.5/3.81-L7.5 | Order Data: 50000000016 |

**Technical Data // AK550/..DS-3.5-V-GREY**

Spacing 3.5 mm

Order Data (Spacing 3.5 mm)

| Number of Poles | Width (mm) | Article Designation | Article Number | PU |
|-----------------|------------|-----------------------|----------------|-----|
| 2 | 7.00 | AK550/2DS-3.5-V-GREY | 50550020121 G | 250 |
| 3 | 10.50 | AK550/3DS-3.5-V-GREY | 50550030121 G | 250 |
| 4 | 14.00 | AK550/4DS-3.5-V-GREY | 50550040121 G | 250 |
| 5 | 17.50 | AK550/5DS-3.5-V-GREY | 50550050121 G | 250 |
| 6 | 21.00 | AK550/6DS-3.5-V-GREY | 50550060121 G | 250 |
| 7 | 24.50 | AK550/7DS-3.5-V-GREY | 50550070121 G | 250 |
| 8 | 28.00 | AK550/8DS-3.5-V-GREY | 50550080121 E | 100 |
| 9 | 31.50 | AK550/9DS-3.5-V-GREY | 50550090121 E | 100 |
| 10 | 35.00 | AK550/10DS-3.5-V-GREY | 50550100121 D | 50 |
| 11 | 38.50 | AK550/11DS-3.5-V-GREY | 50550110121 D | 50 |
| 12 | 42.00 | AK550/12DS-3.5-V-GREY | 50550120121 D | 50 |
| 13 | 45.50 | AK550/13DS-3.5-V-GREY | 50550130121 D | 50 |
| 14 | 49.00 | AK550/14DS-3.5-V-GREY | 50550140121 D | 50 |
| 15 | 52.50 | AK550/15DS-3.5-V-GREY | 50550150121 D | 50 |
| 16 | 56.00 | AK550/16DS-3.5-V-GREY | 50550160121 D | 50 |

Technical drawing