



Highlights

- 2 to 12 poles
- Push-In connection
- Spacing 6.35 mm
- Wire entry parallel to PCB
- With lever
- Test jack on every clamping point
- Two dove tails for extra stable plugging
- Reflow soldering
- THR
- Two wire connections per pole

Wire Sizes

| | |
|---------------------------|----------------------|
| Solid min | 0.2 mm ² |
| Solid max | 2.5 mm ² |
| Stranded (flexible) min | 0.2 mm ² |
| Stranded (flexible) max | 2.5 mm ² |
| Stranded with ferrule min | 0.25 mm ² |
| Stranded with ferrule max | 2.5 mm ² |

Dimensions

| | |
|-------------------|--------|
| Stripped length | 9.0 mm |
| PCB hole diameter | 1.3 mm |

Materials

| | |
|--------------|-----------------|
| Clamp | Zinc Die-Cast |
| Solder tab | Brass |
| Clamp spring | Stainless Steel |

Insulating Material

| | |
|--------------------|-----------|
| Material | PPA |
| Flammability class | UL 94 V-0 |

**Technical Data // AKZ4801/..KD-6.35-V-BLACK-HT**

Spacing 6.35 mm

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 217 - 245 °C



Peak soldering time, recommended 60 s

Colours

BLACK, RAL 9011

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

Ratings

| UseGroup |  | | |  | |
|-----------------|---|---|-----------|---|---------------------|
| | B | C | D | | |
| Rated voltage | 300 V | - | 300 V | 400 V | |
| Rated current | 12 A | - | 10 A | 12 A | |
| Rated wire size | | | | min | max |
| - solid | AWG 24-14 | - | AWG 24-14 | 0.2 mm ² | 2.5 mm ² |
| - stranded | AWG 24-14 | - | AWG 24-14 | 0.2 mm ² | 2.5 mm ² |
| Test voltage | 1.60 kV | - | 1.60 kV | 2.5 kV | |

Order Data (Spacing 6.35 mm)

| Number of Poles | Width (mm) | Article Designation | Article Number | PU |
|-----------------|------------|------------------------------|----------------|-----|
| 2 | 13.20 | AKZ4801/2KD-6.35-V-BLACK-HT | 54801020301 E | 100 |
| 3 | 19.55 | AKZ4801/3KD-6.35-V-BLACK-HT | 54801030301 E | 100 |
| 4 | 25.90 | AKZ4801/4KD-6.35-V-BLACK-HT | 54801040301 D | 50 |
| 5 | 32.25 | AKZ4801/5KD-6.35-V-BLACK-HT | 54801050301 D | 50 |
| 6 | 38.60 | AKZ4801/6KD-6.35-V-BLACK-HT | 54801060301 D | 50 |
| 7 | 44.95 | AKZ4801/7KD-6.35-V-BLACK-HT | 54801070301 D | 50 |
| 8 | 51.30 | AKZ4801/8KD-6.35-V-BLACK-HT | 54801080301 D | 50 |
| 9 | 57.65 | AKZ4801/9KD-6.35-V-BLACK-HT | 54801090301 D | 50 |
| 10 | 64.00 | AKZ4801/10KD-6.35-V-BLACK-HT | 54801100301 D | 50 |
| 11 | 70.35 | AKZ4801/11KD-6.35-V-BLACK-HT | 54801110301 D | 50 |
| 12 | 76.70 | AKZ4801/12KD-6.35-V-BLACK-HT | 54801120301 D | 50 |



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Technical Data // **AKZ4801/..KD-6.35-V-BLACK-HT**

Spacing 6.35 mm

Technical drawing

