

# AKZ4841/..KD-6.35-OL-BLACK-HT



A Phoenix Mecano Brand

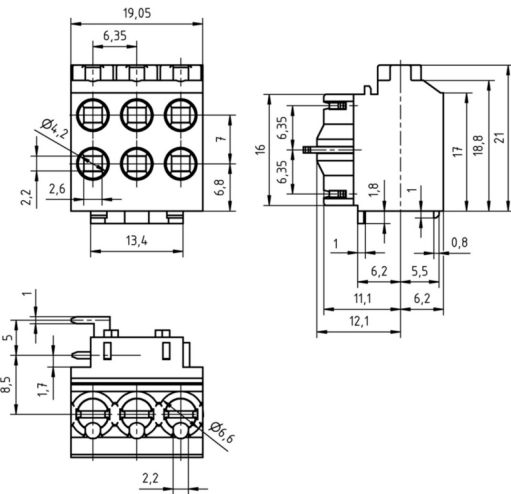
## Technical Data

| Wire sizes                |                      | Insulating Material                        |                 |
|---------------------------|----------------------|--|-----------------|
| Solid min                 | 0.2 mm <sup>2</sup>  | Material                                   | PPA             |
| Solid max                 | 2.5 mm <sup>2</sup>  | Flammability Class                         | UL 94 V-0       |
| Stranded (flexible) min   | 0.2mm <sup>2</sup>   | <b>Temperatures</b>                        |                 |
| Stranded (flexible) max   | 2.5 mm <sup>2</sup>  | Operating Temperature (without mech. load) | -40 °C - 105 °C |
| Stranded with Ferrule min | 0.25 mm <sup>2</sup> | Store Temperature                          | -40 °C - 105 °C |
| Stranded with Ferrule max | 2.5 mm <sup>2</sup>  | <b>Wave Soldering Process</b>              |                 |
| <b>Dimensions</b>         |                      | Soldering Temperature, recommended         | 260 °C          |
| Stripped Length           | 9.0 mm               | Peak Soldering Time, recommended           | 3-4 s           |
| PCB Hole Diameter         | 1.3 mm               | <b>Reflow Process</b>                      |                 |
| <b>Materials</b>          |                      | Soldering Temperature, recommended         | 217 - 245 °C    |
| Clamp                     | Zinc Die-Cast        | Peak Soldering Time, recommended           | 60 s            |
| Solder Tab                | Brass                |  |                 |
| Clamp Spring              | Stainless Steel      |  |                 |

## Colours

BLACK, RAL 9011

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



## Order Data (Spacing 6.35 mm)

| Poles | Width (mm) | Article Designation          | Article Number | PU |
|-------|------------|------------------------------|----------------|----|
| 3     | 19.05      | AKZ4841/3KD-6.35-OL-BLACK-HT | 54841030361 D  | 50 |

## 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 <sup>2</sup> | 2.5 mm <sup>2</sup> |
| - stranded      | AWG 24-14 | - | AWG 24-14 | 0.2 mm <sup>2</sup> | 2.5 mm <sup>2</sup> |
| Test Voltage    | 1.60 kV   | - | 1.60 kV   | 2.5 kV              |                     |