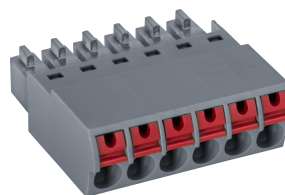


## AK4541/..KD-3.5-BASALTGREY



## Technical Data

| Wire sizes                |                      | Insulating Material                        |                 |
|---------------------------|----------------------|--------------------------------------------|-----------------|
| Solid min                 | 0.2 mm <sup>2</sup>  | Material                                   | PA 6.6          |
| Solid max                 | 1.5 mm <sup>2</sup>  | Flammability Class                         | UL 94 V-0       |
| Stranded (flexible) min   | 0.2mm <sup>2</sup>   | <b>Temperatures</b>                        |                 |
| Stranded (flexible) max   | 1.5 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 | 1.5 mm <sup>2</sup>  | <b>Wave Soldering Process</b>              |                 |
| <b>Dimensions</b>         |                      | Soldering Temperature, recommended         | -               |
| Stripped Length           | 10.0 mm              | Peak Soldering Time, recommended           | -               |
| <b>Materials</b>          |                      | <b>Reflow Process</b>                      |                 |
| Contact Spring            | tin-plated           | Soldering Temperature, recommended         | -               |
| Clamp Spring              | Stainless Steel      | Peak Soldering Time, recommended           | -               |

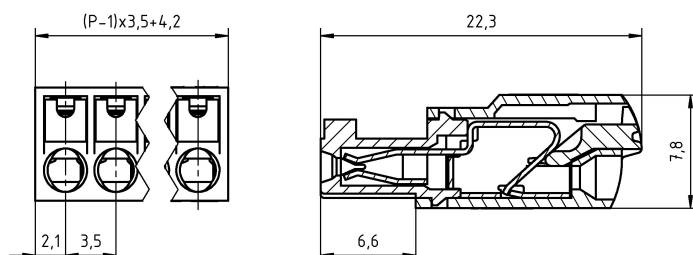
## Colours

|  |                               |
|--|-------------------------------|
|  | BASALT GREY, RAL 7012         |
|  | 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.

## Counterparts (Spacing 3.5 mm)

|           |         |
|-----------|---------|
| Pin Strip |         |
| STLZ1541  | STL1550 |



## Order Data (Spacing 3.5 mm)

| Poles | Width (mm) | Article Designation        | Article Number | PU  |
|-------|------------|----------------------------|----------------|-----|
| 2     | 7.70       | AK4541/2KD-3.5-BASALTGREY  | 54541020401 G  | 250 |
| 3     | 11.20      | AK4541/3KD-3.5-BASALTGREY  | 54541030401 F  | 200 |
| 4     | 14.70      | AK4541/4KD-3.5-BASALTGREY  | 54541040401 F  | 200 |
| 5     | 18.20      | AK4541/5KD-3.5-BASALTGREY  | 54541050401 E  | 100 |
| 6     | 21.70      | AK4541/6KD-3.5-BASALTGREY  | 54541060401 E  | 100 |
| 7     | 25.20      | AK4541/7KD-3.5-BASALTGREY  | 54541070401 D  | 50  |
| 8     | 28.70      | AK4541/8KD-3.5-BASALTGREY  | 54541080401 D  | 50  |
| 9     | 32.20      | AK4541/9KD-3.5-BASALTGREY  | 54541090401 D  | 50  |
| 10    | 35.70      | AK4541/10KD-3.5-BASALTGREY | 54541100401 D  | 50  |
| 11    | 39.20      | AK4541/11KD-3.5-BASALTGREY | 54541110401 D  | 50  |
| 12    | 42.70      | AK4541/12KD-3.5-BASALTGREY | 54541120401 D  | 50  |
| 13    | 46.20      | AK4541/13KD-3.5-BASALTGREY | 54541130401 D  | 50  |
| 14    | 49.70      | AK4541/14KD-3.5-BASALTGREY | 54541140401 D  | 50  |
| 15    | 53.20      | AK4541/15KD-3.5-BASALTGREY | 54541150401 D  | 50  |
| 16    | 56.70      | AK4541/16KD-3.5-BASALTGREY | 54541160401 D  | 50  |
| 17    | 60.20      | AK4541/17KD-3.5-BASALTGREY | 54541170401 D  | 50  |
| 18    | 63.70      | AK4541/18KD-3.5-BASALTGREY | 54541180401 D  | 50  |
| 19    | 67.20      | AK4541/19KD-3.5-BASALTGREY | 54541190401 D  | 50  |
| 20    | 70.70      | AK4541/20KD-3.5-BASALTGREY | 54541200401 D  | 50  |

## Accessoires

| Figure | Designation                    | Article Number         |
|--------|--------------------------------|------------------------|
|        | Series AK4541 with pull relief | Order Data: on request |

## Ratings

| UseGroup             | B         | C         | D         |                     |  |                     |  |
|----------------------|-----------|-----------|-----------|---------------------|--|---------------------|--|
| Rated Voltage        | 150 V     | 50 V      | 150 V     |                     |  | 320 V               |  |
| Rated Current        | 6 A       | 6 A       | 6 A       |                     |  | 6 A                 |  |
| Overvoltage Category |           |           |           |                     |  | II                  |  |
| Rated Wire Size      |           |           |           | min                 |  | max                 |  |
| - solid              | AWG 24-16 | AWG 24-16 | AWG 24-16 | 0.2 mm <sup>2</sup> |  | 1.5 mm <sup>2</sup> |  |
| - stranded           | AWG 24-16 | AWG 24-16 | AWG 24-16 | 0.2 mm <sup>2</sup> |  | 1.5 mm <sup>2</sup> |  |
| Test Voltage         | 1.30 kV   | 1.10 kV   | 1.30 kV   |                     |  | 2.5 kV              |  |
| Pollution Degree     |           |           |           |                     |  | 2                   |  |

\* Approval Pending