



### Highlights

- 1 to n poles
- 1 pole module
- Push-In connection
- Spacing 7.5 mm
- Wire entry vertical to PCB
- With two soldering pins
- 41 A with 6.0 mm<sup>2</sup> wire
- Available in green-yellow marbled

### Wire Sizes

|                           |                      |
|---------------------------|----------------------|
| Solid min                 | 0.2 mm <sup>2</sup>  |
| Solid max                 | 10.0 mm <sup>2</sup> |
| Stranded min              | 0.2 mm <sup>2</sup>  |
| Stranded max              | 10.0 mm <sup>2</sup> |
| Stranded (flexible) min   | 0.2 mm <sup>2</sup>  |
| Stranded (flexible) max   | 10.0 mm <sup>2</sup> |
| Stranded with ferrule min | 0.25 mm <sup>2</sup> |
| Stranded with ferrule max | 6.0 mm <sup>2</sup>  |

### Dimensions

|                   |         |
|-------------------|---------|
| Stripped length   | 15.0 mm |
| PCB hole diameter | 2.1 mm  |

### Materials

|              |                 |
|--------------|-----------------|
| Solder tab   | Copper Alloy    |
| Clamp spring | Stainless Steel |

### 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                      |

Spacing 7.5 mm

### Wave Soldering Process

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

### Reflow Process

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

### Colours

BASALT GREY, RAL 7012

TRAFFIC GREY, RAL 7042

BLACK, RAL 9011

LIGHT GREEN, similar RAL 6018

GREEN, RAL 6018

GREEN/YELLOW, RAL 6018 - 1018/S

BLUE, RAL 5015

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    | 300 V    | 450 V                                                                                 |                      |
| Rated current         | 35 A                                                                                | 35 A     | 10 A     | 41 A                                                                                  |                      |
| Overvoltage category  |                                                                                     |          |          | III                                                                                   |                      |
| Rated wire size       |                                                                                     |          |          | min                                                                                   | max                  |
| - solid               | AWG 24-8                                                                            | AWG 24-8 | AWG 24-8 | 0.2 mm <sup>2</sup>                                                                   | 6.0 mm <sup>2</sup>  |
| - stranded            |                                                                                     | AWG 24-8 | AWG 24-8 | 0.2 mm <sup>2</sup>                                                                   | 10.0 mm <sup>2</sup> |
| - stranded (flexible) | AWG 24-8                                                                            | AWG 24-8 | AWG 24-8 | 0.2 mm <sup>2</sup>                                                                   | 10.0 mm <sup>2</sup> |
| Test voltage          | 1.60 kV                                                                             | 1.60 kV  | 1.60 kV  | 2.5 kV                                                                                |                      |

### Accessoires

| Figure                                                                              | Designation              | Article Number       |
|-------------------------------------------------------------------------------------|--------------------------|----------------------|
|  | Spacer SPC-AK4210-V-baGY | Art.-Nr. 54210000001 |



## Technical Data // AK4210/..-7.5-V-BAGY

**PTR HARTMANN**

A Phoenix Mecano Company

Spacing 7.5 mm

### Order Data (Spacing 7.5 mm)

| Number of Poles | Width (mm) | Article Designation  | Article Number | PU  |
|-----------------|------------|----------------------|----------------|-----|
| 1               | 9.25       | AK4210/1-7.5-V-baGY  | 54210010521 E  | 100 |
| 2               | 16.75      | AK4210/2-7.5-V-baGY  | 54210020521 D  | 50  |
| 3               | 24.25      | AK4210/3-7.5-V-baGY  | 54210030521 D  | 50  |
| 4               | 31.75      | AK4210/4-7.5-V-baGY  | 54210040521 D  | 50  |
| 5               | 39.25      | AK4210/5-7.5-V-baGY  | 54210050521 D  | 50  |
| 6               | 46.75      | AK4210/6-7.5-V-baGY  | 54210060521 D  | 50  |
| 7               | 54.25      | AK4210/7-7.5-V-baGY  | 54210070521 D  | 50  |
| 8               | 61.75      | AK4210/8-7.5-V-baGY  | 54210080521 D  | 50  |
| 9               | 69.25      | AK4210/9-7.5-V-baGY  | 54210090521 D  | 50  |
| 10              | 76.75      | AK4210/10-7.5-V-baGY | 54210100521 D  | 50  |
| 11              | 84.25      | AK4210/11-7.5-V-baGY | 54210110521 D  | 50  |
| 12              | 91.75      | AK4210/12-7.5-V-baGY | 54210120521 D  | 50  |

### Technical drawing

