



### Highlights

2 to 12 poles  
2 and 3 pole modules  
Spacing 5.08 mm  
Lift type  
Wire entry 45° to PCB  
24 A with 2.5 mm<sup>2</sup> wire

### Wire Sizes

|                           |                      |
|---------------------------|----------------------|
| Solid min                 | 0.14 mm <sup>2</sup> |
| Solid max                 | 2.5 mm <sup>2</sup>  |
| Stranded (flexible) min   | 0.14 mm <sup>2</sup> |
| Stranded (flexible) max   | 1.5 mm <sup>2</sup>  |
| Stranded with ferrule min | 0.25 mm <sup>2</sup> |
| Stranded with ferrule max | 1.5 mm <sup>2</sup>  |

### Dimensions

|                   |        |
|-------------------|--------|
| Stripped length   | 7.0 mm |
| PCB hole diameter | 1.3 mm |

### Materials

|            |              |
|------------|--------------|
| Clamp      | Brass        |
| Screw      | Steel        |
| Solder tab | Copper Alloy |

### 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                      |

### Wave Soldering Process

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

Spacing 5.08 mm

### Reflow Process

Soldering temperature, recommended -

Peak soldering time, recommended -

### Colours

GREY, RAL 7016

GREEN, RAL 6018

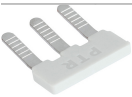
BLUE, RAL 5015

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

### Ratings

|                       | UL <sup>®</sup> |   |           | VDE                 |                     |
|-----------------------|-----------------|---|-----------|---------------------|---------------------|
| UseGroup              | B               | C | D         |                     |                     |
| Rated voltage         | 300 V           | - | 300 V     | 250 V               |                     |
| Rated current         | 15 A            | - | 10 A      | 24 A                |                     |
| Rated wire size       |                 |   |           | min                 | max                 |
| - solid               | AWG 22-12       | - | AWG 22-12 | 0.5 mm <sup>2</sup> | 2.5 mm <sup>2</sup> |
| - stranded            | -               | - | -         | -                   | -                   |
| - stranded (flexible) | AWG 22-12       | - | AWG 22-12 | 0.5 mm <sup>2</sup> | 1.5 mm <sup>2</sup> |
| Torque                | 0.50 Nm         | - | 0.50 Nm   | 0.40 Nm             |                     |
| Screw size            | M2.6            | - | M2.6      | M2.6                |                     |
| Test voltage          | 1.60 kV         | - | 1.60 kV   | 2.0 kV              |                     |

### Accessoires

| Figure                                                                              | Designation                                          | Article Number        |
|-------------------------------------------------------------------------------------|------------------------------------------------------|-----------------------|
|  | Bridge, 2-pole, insulated, BRI/2-5.0/5.08-LIGHT GREY | Art.-Nr. 500000000006 |
|  | Bridge, 3-pole, insulated, BRI/3-5.0/5.08-LIGHT GREY | Art.-Nr. 500000000007 |
|  | Bridge, 2-pole, BR/2-5.0/5.08-L7.0                   | Art.-Nr. 500000000008 |



## Technical Data // AKZ300/..-5.08-GREY

**PTR HARTMANN**

A Phoenix Mecano Company

Spacing 5.08 mm

### Order Data (Spacing 5.08 mm)

| Number of Poles | Width (mm) | Article Designation | Article Number | PU  |
|-----------------|------------|---------------------|----------------|-----|
| 2               | 10.76      | AKZ300/2-5.08-GREY  | 50300020141 F  | 200 |
| 3               | 15.84      | AKZ300/3-5.08-GREY  | 50300030141 F  | 200 |
| 4               | 20.92      | AKZ300/4-5.08-GREY  | 50300040141 F  | 200 |
| 5               | 26.00      | AKZ300/5-5.08-GREY  | 50300050141 F  | 200 |
| 6               | 31.08      | AKZ300/6-5.08-GREY  | 50300060141 F  | 200 |
| 7               | 36.16      | AKZ300/7-5.08-GREY  | 50300070141 E  | 100 |
| 8               | 41.24      | AKZ300/8-5.08-GREY  | 50300080141 E  | 100 |
| 9               | 46.32      | AKZ300/9-5.08-GREY  | 50300090141 E  | 100 |
| 10              | 51.40      | AKZ300/10-5.08-GREY | 50300100141 D  | 50  |
| 11              | 56.48      | AKZ300/11-5.08-GREY | 50300110141 D  | 50  |
| 12              | 61.56      | AKZ300/12-5.08-GREY | 50300120141 D  | 50  |

### Technical drawing

