



### Highlights

- 2 to 12 poles
- 2 and 3 pole modules
- Spacing 5.08 mm
- Lift type
- Wire entry parallel to PCB
- Two-tier terminal
- Tiers offset by half pitch
- 24 A with 2.5 mm<sup>2</sup> wire

### Wire Sizes

|                           |                      |
|---------------------------|----------------------|
| Solid min                 | 0.2 mm <sup>2</sup>  |
| Solid max                 | 4.0 mm <sup>2</sup>  |
| Stranded (flexible) min   | 0.2 mm <sup>2</sup>  |
| Stranded (flexible) max   | 2.5 mm <sup>2</sup>  |
| Stranded with ferrule min | 0.25 mm <sup>2</sup> |
| Stranded with ferrule max | 2.5 mm <sup>2</sup>  |

### Dimensions

|                   |        |
|-------------------|--------|
| Stripped length   | 8.0 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                      |

Spacing 5.08 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

GREEN, RAL 6018

GREY, RAL 7016

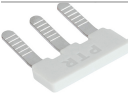
LIGHT GREEN, similar RAL 6018

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           | 150 V     | 300 V     |                     | 250 V               |
| Rated current         | 20 A            | 20 A      | 10 A      |                     | 24 A                |
| Rated wire size       |                 |           |           | min                 | max                 |
| - solid               | AWG 30-12       | AWG 30-12 | AWG 30-12 | 0.5 mm <sup>2</sup> | 4.0 mm <sup>2</sup> |
| - stranded            | -               | -         | -         | -                   | -                   |
| - stranded (flexible) | AWG 30-12       | AWG 30-12 | AWG 30-12 | 0.5 mm <sup>2</sup> | 2.5 mm <sup>2</sup> |
| Torque                | 0.45 Nm         | 0.45 Nm   | 0.45 Nm   |                     | 0.50 Nm             |
| Screw size            | M3              | M3        | M3        |                     | M3                  |
| Test voltage          | 1.60 kV         | 1.30 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. 50000000006 |
|  | Bridge, 3-pole, insulated, BRI/3-5.0/5.08-LIGHT GREY | Art.-Nr. 50000000007 |
|  | Bridge, 2-pole, BR/2-5.0/5.08-L7.0                   | Art.-Nr. 50000000008 |
|  | Screw Cover SC-AK700-YELLOW                          | Art.-Nr. 50700000004 |



**PTR HARTMANN**

A Phoenix Mecano Company

**Technical Data // AKZ750/..-5.08-V-GREEN**

Spacing 5.08 mm

**Order Data (Spacing 5.08 mm)**

| Number of Poles | Width (mm) | Article Designation    | Article Number | PU |
|-----------------|------------|------------------------|----------------|----|
| 2               | 13.30      | AKZ750/2-5.08-V-GREEN  | 50750020210 D  | 50 |
| 3               | 18.38      | AKZ750/3-5.08-V-GREEN  | 50750030210 D  | 50 |
| 4               | 23.46      | AKZ750/4-5.08-V-GREEN  | 50750040210 D  | 50 |
| 5               | 28.54      | AKZ750/5-5.08-V-GREEN  | 50750050210 D  | 50 |
| 6               | 33.62      | AKZ750/6-5.08-V-GREEN  | 50750060210 D  | 50 |
| 7               | 38.70      | AKZ750/7-5.08-V-GREEN  | 50750070210 D  | 50 |
| 8               | 43.78      | AKZ750/8-5.08-V-GREEN  | 50750080210 D  | 50 |
| 9               | 48.86      | AKZ750/9-5.08-V-GREEN  | 50750090210 D  | 50 |
| 10              | 53.94      | AKZ750/10-5.08-V-GREEN | 50750100210 D  | 50 |
| 11              | 59.02      | AKZ750/11-5.08-V-GREEN | 50750110210 D  | 50 |
| 12              | 64.10      | AKZ750/12-5.08-V-GREEN | 50750120210 D  | 50 |

**Technical drawing**

