

# Data Sheet | Item Number: 218-111/000-012

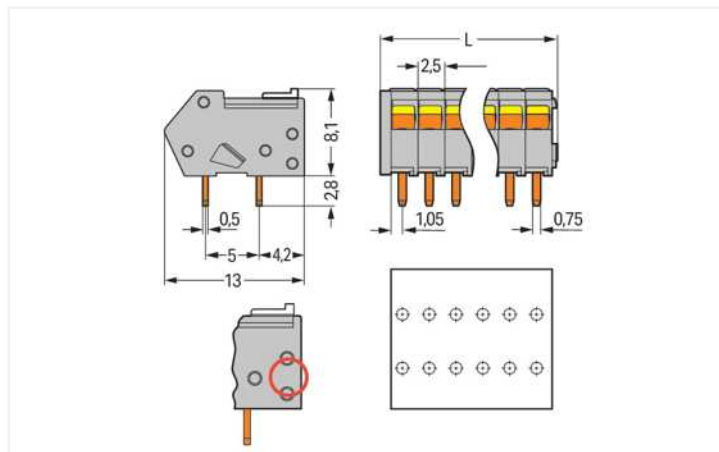
PCB terminal block; Locking slides; 0.5 mm<sup>2</sup>; Pin spacing 2.5 mm; 11-pole; CAGE CLAMP®; 0,50 mm<sup>2</sup>; orange

<https://www.wago.com/218-111/000-012>



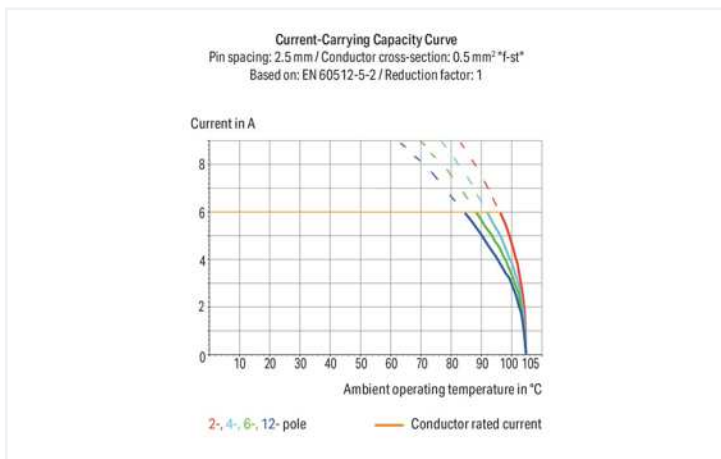
Color:  orange

Similar to illustration



Dimensions in mm

L = (pole no. x pin spacing) + 1.5 mm



- Terminal strips are just 8.1 mm tall and feature an innovative, locking slide-actuated CAGE CLAMP®.
- Several clamping units can be held open simultaneously.
- Easily terminate stranded conductors in tight spaces (e.g., bus connectors).

## Notes

Variants:

Other pole numbers

Other colors

Mixed-color PCB connector strips

Direct marking

Other versions (or variants) can be requested from WAGO Sales or configured at <https://configurator.wago.com/>.

## Electrical data

### Ratings per IEC/EN

| Ratings per                   | IEC/EN 60664-1 |
|-------------------------------|----------------|
| Nominal voltage (III/3)       | 80 V           |
| Rated impulse voltage (III/3) | 2.5 kV         |
| Rated voltage (III/2)         | 160 V          |
| Rated impulse voltage (III/2) | 2.5 kV         |
| Nominal voltage (II/2)        | 320 V          |
| Rated surge voltage (II/2)    | 2.5 kV         |
| Rated current                 | 6 A            |

### Ratings per IEC/EN

| Legend (ratings) | (III / 2) Δ Overvoltage category III / Pollution degree 2 |
|------------------|---|
|------------------|---|

### Ratings per UL 1059

|                                |         |
|--------------------------------|---------|
| Approvals per                  | UL 1059 |
| Rated voltage UL (Use Group B) | 150 V   |
| Rated current UL (Use Group B) | 4 A     |

### Ratings per CSA

|                                 |       |
|---------------------------------|-------|
| Approvals per                   | CSA   |
| Rated voltage CSA (Use Group B) | 150 V |
| Rated current CSA (Use Group B) | 4 A   |

### Connection data

|                            |    |
|----------------------------|----|
| Connection points          | 11 |
| Total number of potentials | 11 |
| Number of connection types | 1  |
| Number of levels           | 1  |

### Connection 1

|   |   |
|---|---|
| Connection technology                             | CAGE CLAMP®   |
| Actuation type                                    | Slider  |
| Solid conductor                                   | 0.08 ... 0.5 mm <sup>2</sup> / 28 ... 20 AWG  |
| Fine-stranded conductor                           | 0.08 ... 0.5 mm <sup>2</sup> / 28 ... 20 AWG  |
| Fine-stranded conductor; with insulated ferrule   | 0.25 mm <sup>2</sup>  |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 mm <sup>2</sup>  |
| Note (conductor cross-section)                    | Terminating 0.75 mm <sup>2</sup> /18 AWG conductors is possible; however insulation diameter allows only every other clamping unit to be terminated with this conductor size. |
| Strip length                                      | 5 ... 6 mm / 0.2 ... 0.24 inches  |
| Conductor connection direction to PCB             | 40 °  |
| Pole number                                       | 11  |

### Physical data

|                                      |                        |
|--------------------------------------|------------------------|
| Pin spacing                          | 2.5 mm / 0.098 inches  |
| Width                                | 29 mm / 1.142 inches   |
| Height                               | 10.9 mm / 0.429 inches |
| Height from the surface              | 8.1 mm / 0.319 inches  |
| Depth                                | 13 mm / 0.512 inches   |
| Solder pin length                    | 2.8 mm                 |
| Solder pin dimensions                | 0.5 x 0.75 mm          |
| Drilled hole diameter with tolerance | 1.1 (+0.1) mm          |

### PCB contact

|                                     |  |
|-------------------------------------|--|
| PCB contact                         | THT                                      |
| Solder pin arrangement              | over the entire terminal strip (in-line) |
| Number of solder pins per potential | 2  |

### Material Data

|                             |  |
|-----------------------------|--|
| Note (material data)        | <a href="#">Information on material specifications can be found here</a> |
| Color                       | orange   |
| Material group              | I  |
| Insulation material         | Polyamide (PA66)   |
| Flammability class per UL94 | V0   |
| Clamping spring material    | Chrome-nickel spring steel (CrNi)  |
| Contact material            | Electrolytic copper (E <sub>Cu</sub> )                                   |
| Contact plating             | Tin  |
| Fire load                   | 0.047 MJ   |
| Weight                      | 3.6 g  |

## Environmental requirements

|                         |                 |
|-------------------------|-----------------|
| Limit temperature range | -60 ... +105 °C |
|-------------------------|-----------------|

## Commercial data

|                       |                                |
|-----------------------|--------------------------------|
| Product Group         | 4 (Printed Circuit Connectors) |
| eCl@ss 10.0           | 27-44-04-01                    |
| eCl@ss 9.0            | 27-44-04-01                    |
| ETIM 8.0              | EC002643                       |
| ETIM 7.0              | EC002643                       |
| PU (SPU)              | 160 (40) pcs                   |
| Packaging type        | Box                            |
| Country of origin     | PL                             |
| GTIN                  | 4044918877893                  |
| Customs tariff number | 85369010000                    |

## Approvals / Certificates

### General approvals



| Approval                               | Standard      | Certificate Name |
|--|---------------|------------------|
| CSA<br>DEKRA Certification B.V.        | C22.2 No. 158 | 1565656          |
| UL<br>UL International Germany<br>GmbH | UL 1059       | E45172           |

## Downloads

### Environmental Product Compliance


#### Compliance Search

Environmental Product  
Compliance  
218-111/000-012




## Documentation

### Additional Information


|                   |            |                   |   |
|-------------------|------------|-------------------|---|
| Technical Section | 03.04.2019 | pdf<br>1949.09 KB |  |
|-------------------|------------|-------------------|---|

## CAD/CAE-Data

**CAD data**

2D/3D Models  
218-111/000-012 

**CAE data**

ZUKEN Portal  
218-111/000-012 

**1 Compatible Products**

**1.1 Optional Accessories**

**1.1.1 Ferrule**

**1.1.1.1 Ferrule**



**Item No.: 216-301**  
Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; insulated; electro-tin plated; yellow



**Item No.: 216-321**  
Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; insulated; electro-tin plated; yellow



**Item No.: 216-151**  
Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; uninsulated; electro-tin plated



**Item No.: 216-131**  
Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; uninsulated; electro-tin plated; silver-colored

**1.1.2 Marking**

**1.1.2.1 Marking strip**



**Item No.: 210-331/250-202**  
Marking strips; as a DIN A4 sheet; MARKED; 1-16 (400x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white



**Item No.: 210-331/250-207**  
Marking strips; as a DIN A4 sheet; MARKED; 1-48 (100x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white



**Item No.: 210-331/250-204**  
Marking strips; as a DIN A4 sheet; MARKED; 17-32 (400x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white



**Item No.: 210-331/250-206**  
Marking strips; as a DIN A4 sheet; MARKED; 33-48 (400x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white

**1.1.3 Test and measurement**

**1.1.3.1 Testing accessories**



**Item No.: 735-500**  
WAGO Test pin; 1 mm Ø; 30 V AC / 60 V DC; CAT0; 1 A; 6 mm uninsulated; Test lead for soldering up to 0,5mm<sup>2</sup>

**1.1.4 Tool**

**1.1.4.1 Operating tool**



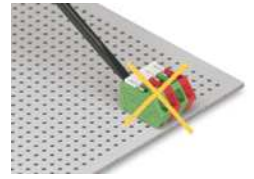
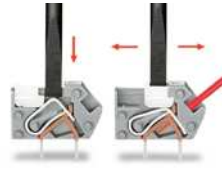
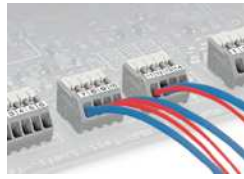
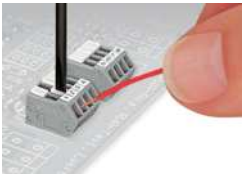
**Item No.: 210-719**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft



**Item No.: 210-647**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured

## Installation Notes

### Conductor termination



### Marking



### Testing

