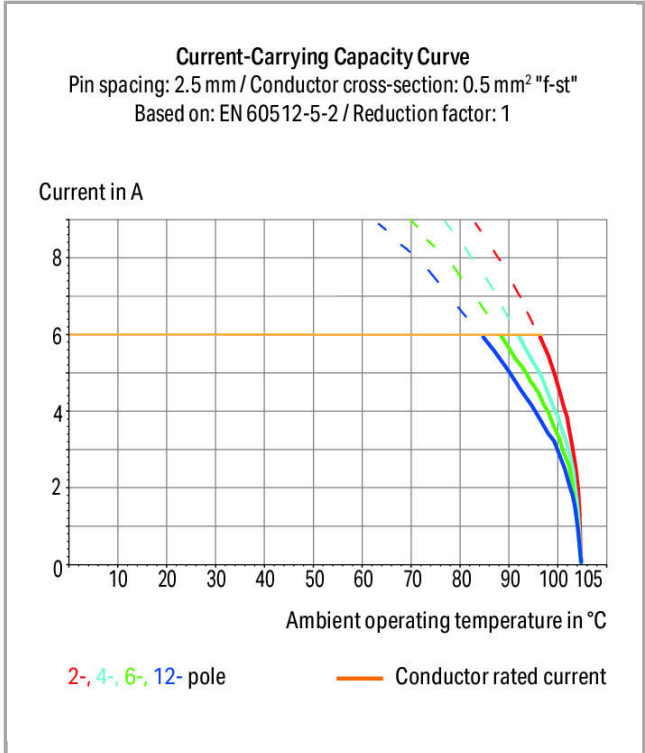


Data sheet | Item number: 218-511

PCB terminal block; Locking slides; 0.5 mm<sup>2</sup>; Pin spacing 2.54 mm; 11-pole;  
CAGE CLAMP®



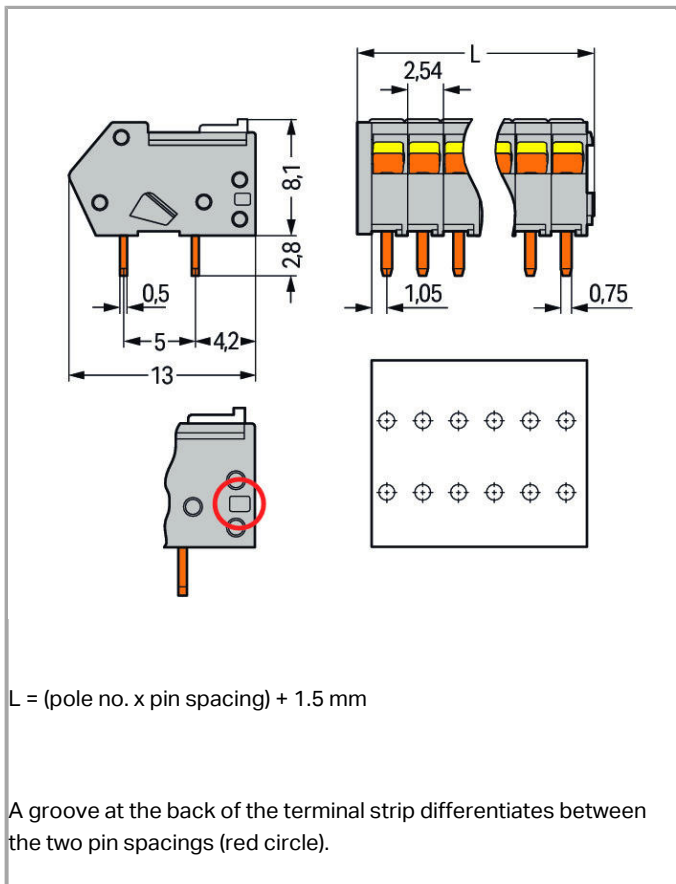
218-511



RoHS  Compliant

[BOMcheck.net](https://www.bomcheck.net)

Color: ■



### Item description

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

### Data

#### Electrical data

#### Ratings per IEC/EN 60664-1

|                                 |        |
|---------------------------------|--------|
| Rated 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 |
| Rated voltage (II / 2)          | 320 V  |
| Rated impulse voltage (II / 2)  | 2.5 kV |
| Rated current                   | 6 A    |

### Approvals per UL 1059

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

### Approvals per CSA

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

### Connection data

|   |   |
|---|---|
| Connection technology                                       | CAGE CLAMP®   |
| Actuation type  | Locking slide   |
| 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 ferrule with plastic collar    | 0.25 mm <sup>2</sup>  |
| Fine-stranded conductor with ferrule without plastic collar | 0.25 mm <sup>2</sup>  |
| Strip length  | 5 ... 6 mm / 0.2 ... 0.24 inch  |
| Conductor entry angle to the PCB                            | 40°   |
| 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. |
| No. of poles  | 11  |
| Total number of connection points                           | 11  |
| Total number of potentials                                  | 11  |
| Number of connection types                                  | 1   |
| Number of levels  | 1   |

### Geometrical Data

|                                   |                                |
|-----------------------------------|--------------------------------|
| Pin spacing                       | 2.54 mm / 0.1 inch             |
| Width                             | 29.44 mm / 1.159 inch          |
| Height                            | 10.9 mm / 0.429 inch           |
| Height from the surface           | 8.1 mm / 0.319 inch            |
| Depth                             | 13 mm / 0.512 inch             |
| Solder pin length                 | 2.8 mm                         |
| Solder pin dimensions             | 0.5 x 0.75 mm                  |
| Drilled hole diameter (tolerance) | 1.1 <sup>(- ... +0.1)</sup> 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

|                             |  |
|-----------------------------|--|
| Color                       | gray                                   |
| Material group              | I                                      |
| Insulating material         | Polyamide 66 (PA 66)                   |
| Flammability class per UL94 | V0                                     |
| Clamping spring material    | Chrome nickel spring steel (CrNi)      |
| Contact material            | Electrolytic copper (E <sub>Cu</sub> ) |
| Contact plating             | tin-plated                             |
| Fire load                   | 0.047 MJ                               |
| Weight                      | 3.621 g                                |

### Environmental Requirements





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

### Commercial data


|                    |                     |
|--------------------|---------------------|
| Product Group      | 4 (Printed Circuit) |
| Country of origin  | PL                  |
| GTIN               | 4044918878517       |
| Customs Tariff No. | 85369010000         |

### Approvals / Certificates

#### Country specific Approvals

| Logo   | Approval                         | Additional Approval Text | Certificate name |
|--|----------------------------------|--------------------------|------------------|
|  | CCA<br>DEKRA Certification B.V.  | EN 60947                 | NTR NL-7076      |
|  | CCA<br>DEKRA Certification B.V.  | EN 60947-7-4             | NTR NL-7267      |
|  | CSA<br>DEKRA Certification B.V.  | C22.2 No. 158            | 1565656          |
|  | ENEC<br>DEKRA Certification B.V. | EN 60947                 | 2160584.01       |

## UL-Approvals





| Logo   | Approval                            | Additional Approval Text | Certificate name  |
|--|-------------------------------------|--------------------------|-------------------|
|  | UL<br>UL International Germany GmbH | UL 1059                  | E45172<br>Sec. 43 |

## Compatible products

## Marking accessories

|   |  |           |         |
|---|--|-----------|---------|
|    | <b>Item no.: 210-331/254-202</b><br>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  | / 254-202 | 210-331 |
|    | <b>Item no.: 210-331/254-204</b><br>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 | / 254-204 | 210-331 |
|  | <b>Item no.: 210-331/254-206</b><br>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 | / 254-206 | 210-331 |
|  | <b>Item no.: 210-331/254-207</b><br>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  | / 254-207 | 210-331 |


## ferrule

|  |  |  |         |
|--|--|--|---------|
|  | <b>Item no.: 216-131</b><br>Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; uninsulated; electro-tin plated |  | 216-131 |
|  | <b>Item no.: 216-151</b><br>Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; uninsulated; electro-tin plated |  | 216-151 |
|  | <b>Item no.: 216-301</b><br>Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; insulated; electro-tin plated   |  | 216-301 |
|  | <b>Item no.: 216-321</b><br>Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; insulated; electro-tin plated   |  | 216-321 |

## check

|  |  |  |         |
|--|--|--|---------|
|  | <b>Item no.: 735-500</b><br>Test pin; 1 mm Ø; with solder connection for test wire |  | 735-500 |
|--|--|--|---------|

## tools

|  |  |  |         |
|--|--|--|---------|
|  | <b>Item no.: 210-648</b><br>Operating tool with partially insulated shaft; Blade (2.5 x 0.4) mm; short; angled |  | 210-648 |
|--|--|--|---------|



Item no.: 210-719

Operating tool with partially insulated shaft; Type 1, blade (2.5 x 0.4) mm

210-719

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## Downloads

### CAD/CAE - Smart Data

#### CAD data

3D Download 218-511

URL

Download

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#### PCB libraries

DesignSpark Library for WAGO PCB Terminal Blocks

2.1

zip

Download

Compatible with DesignSpark PCB Version 4.x or higher

Oct 6, 2014

22.5 MB

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TARGET Library for WAGO PCB Terminal Blocks

1.1.0

zip

Download

Compatible with TARGET PCB Design Software Version 17.x

Oct 6, 2014

27.1 MB

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EAGLE Library for WAGO PCB Terminal Blocks

2.1

zip

Download

Compatible with EAGLE PCB Design Software Version 6.x or higher

Oct 6, 2014

23.9 MB

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Subject to changes.