

# Data Sheet | Item Number: 2624-1302

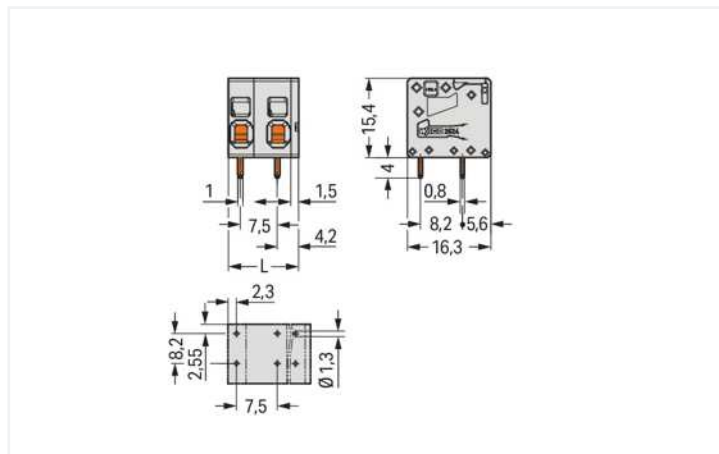
PCB terminal block; 4 mm<sup>2</sup>; Pin spacing 7.5 mm; 2-pole; Push-in CAGE CLAMP®; 4,00 mm<sup>2</sup>; gray

<https://www.wago.com/2624-1302>



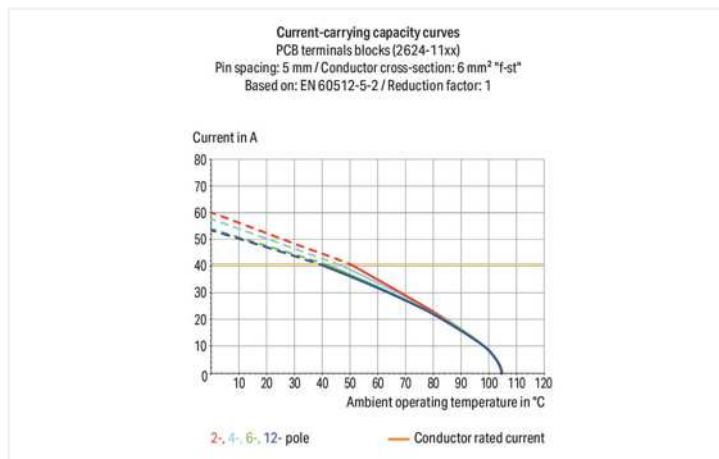
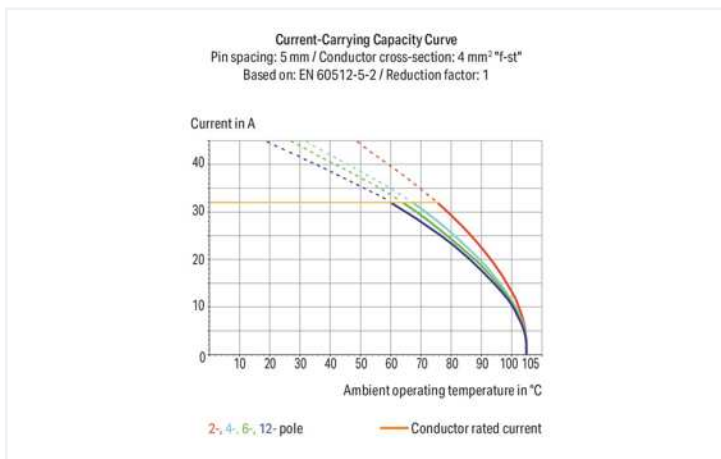
Color: ■ gray

Similar to illustration



Dimensions in mm

$L = (\text{pole no.} - 1) \times \text{pin spacing} + 6.5 \text{ mm}$



- PCB terminal blocks with Push-in CAGE CLAMP® connection
- Push-in termination of solid and ferruled conductors
- Ideal for panel feedthrough applications via operation parallel to conductor entry
- Testing can be performed both parallel and perpendicular to conductor entry

## Notes

Variants:

Other pole numbers  
Direct marking  
Other colors  
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)       | 630 V          |
| Rated impulse voltage (III/3) | 6 kV           |
| Rated voltage (III/2)         | 1000 V         |
| Rated impulse voltage (III/2) | 6 kV           |
| Nominal voltage (II/2)        | 1000 V         |
| Rated surge voltage (II/2)    | 6 kV           |
| Rated current                 | 41 A           |

### Ratings per IEC/EN

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

### Ratings per UL 1059

|                                |         |
|--------------------------------|---------|
| Approvals per                  | UL 1059 |
| Rated voltage UL (Use Group B) | 300 V   |
| Rated current UL (Use Group B) | 26 A    |
| Rated voltage UL (Use Group C) | 150 V   |
| Rated current UL (Use Group C) | 26 A    |
| Rated voltage UL (Use Group D) | 300 V   |
| Rated current UL (Use Group D) | 10 A    |

### Ratings per CSA

|                                 |       |
|---------------------------------|-------|
| Approvals per                   | CSA   |
| Rated voltage CSA (Use Group B) | 300 V |
| Rated current CSA (Use Group B) | 26 A  |
| Rated voltage CSA (Use Group D) | 300 V |
| Rated current CSA (Use Group D) | 5 A   |

### Connection data

|                            |   |
|----------------------------|---|
| Connection points          | 2 |
| Total number of potentials | 2 |
| Number of connection types | 1 |
| Number of levels           | 1 |

### Connection 1

|   |   |
|---|---|
| Connection technology                             | Push-in CAGE CLAMP®                       |
| Actuation type                                    | Operating tool                            |
| Solid conductor                                   | 0.2 ... 6 mm <sup>2</sup> / 24 ... 10 AWG |
| Fine-stranded conductor                           | 0.2 ... 6 mm <sup>2</sup> / 24 ... 10 AWG |
| Fine-stranded conductor; with insulated ferrule   | 0.25 ... 2.5 mm <sup>2</sup>              |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 ... 2.5 mm <sup>2</sup>              |
| Fine-stranded conductor; with twin ferrule        | 0.25 ... 1.5 mm <sup>2</sup>              |
| Strip length                                      | 10 ... 12 mm / 0.39 ... 0.47 inches       |
| Conductor connection direction to PCB             | 0°  |
| Pole number                                       | 2   |

### Physical data

|                                      |                        |
|--------------------------------------|------------------------|
| Pin spacing                          | 7.5 mm / 0.295 inches  |
| Width                                | 14 mm / 0.551 inches   |
| Height                               | 19.4 mm / 0.764 inches |
| Height from the surface              | 15.4 mm / 0.606 inches |
| Depth                                | 16.3 mm / 0.642 inches |
| Solder pin length                    | 4 mm                   |
| Solder pin dimensions                | 0.8 x 1 mm             |
| Drilled hole diameter with tolerance | 1.3 (+0.1) mm          |

### Mechanical Data

|               |                       |
|---------------|-----------------------|
| Mounting type | Feed-through mounting |
|---------------|-----------------------|

### 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)

[Information on material specifications can be found here](#)

|                             |  |
|-----------------------------|--|
| Color                       | gray                                   |
| 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 MJ                                   |
| Weight                      | 3.7 g                                  |

## Environmental requirements

|                                  |                 |
|----------------------------------|-----------------|
| Limit temperature range          | -60 ... +105 °C |
| Processing temperature           | -35 ... +60 °C  |
| Continuous operating temperature | -60 ... +105 °C |

## Commercial data

|                       |               |
|-----------------------|---------------|
| 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)              | 200 pcs       |
| Packaging type        | Box           |
| Country of origin     | DE            |
| GTIN                  | 4055143578417 |
| Customs tariff number | 85369010000   |

## Approvals / Certificates

### General approvals



| Approval                                   | Standard      | Certificate Name |
|--|---------------|------------------|
| CB<br>DEKRA Certification B.V.             | EN 60947-7-4  | NL-47057         |
| CSA<br>DEKRA Certification B.V.            | C22.2 No. 158 | 70117145         |
| cURus<br>Underwriters Laboratories<br>Inc. | UL 1059       | E45172           |
| KEMA/KEUR<br>DEKRA Certification B.V.      | EN 60947-7-4  | 71-100535        |

Downloads

Environmental Product Compliance

|  |  |  |   |
|--|--|--|---|
| Compliance Search                          |  |  |   |
| Environmental Product Compliance 2624-1302 |  |  | ↓ |

Documentation

|                        |            |                   |   |
|------------------------|------------|-------------------|---|
| Additional Information |            |                   |   |
| Technical Section      | 03.04.2019 | pdf<br>1949.09 KB | ↓ |

CAD/CAE-Data

|                           |   |
|---------------------------|---|
| CAD data                  |   |
| 2D/3D Models<br>2624-1302 | ↓ |

|                           |   |
|---------------------------|---|
| CAE data                  |   |
| ZUKEN Portal<br>2624-1302 | ↓ |

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule

|  |  |  |   |
|--|--|--|---|
|  |  |  |   |
| <p><b>Item No.: 216-241</b><br/>                 Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white</p> | <p><b>Item No.: 216-242</b><br/>                 Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray</p> | <p><b>Item No.: 216-262</b><br/>                 Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray</p> | <p><b>Item No.: 216-243</b><br/>                 Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red</p>    |
|  |  |  |   |
| <p><b>Item No.: 216-263</b><br/>                 Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red</p>     | <p><b>Item No.: 216-244</b><br/>                 Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black</p> | <p><b>Item No.: 216-264</b><br/>                 Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black</p> | <p><b>Item No.: 216-246</b><br/>                 Ferrule; Sleeve for 2.5 mm<sup>2</sup> / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue</p> |
|  |  |  |   |
| <p><b>Item No.: 216-266</b><br/>                 Ferrule; Sleeve for 2.5 mm<sup>2</sup> / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue</p>  | <p><b>Item No.: 216-106</b><br/>                 Ferrule; Sleeve for 2.5 mm<sup>2</sup> / AWG 14; un-insulated; electro-tin plated; silver-colored</p>   |  |   |

1.1.2 Tool

### 1.1.2.1 Operating tool



**Item No.: 210-720**

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

## Installation Notes

### Conductor termination



Insert fine-stranded conductors and remove all conductor types via operating tool.

### Conductor termination



Insert solid conductors via push-in termination.