

**Data sheet | Item number: 2604-1304**

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



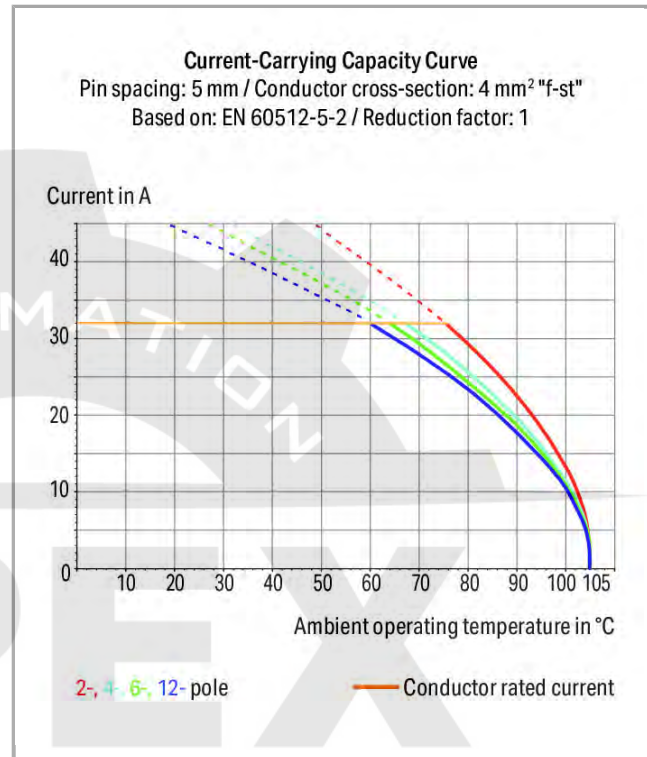
2604-1304

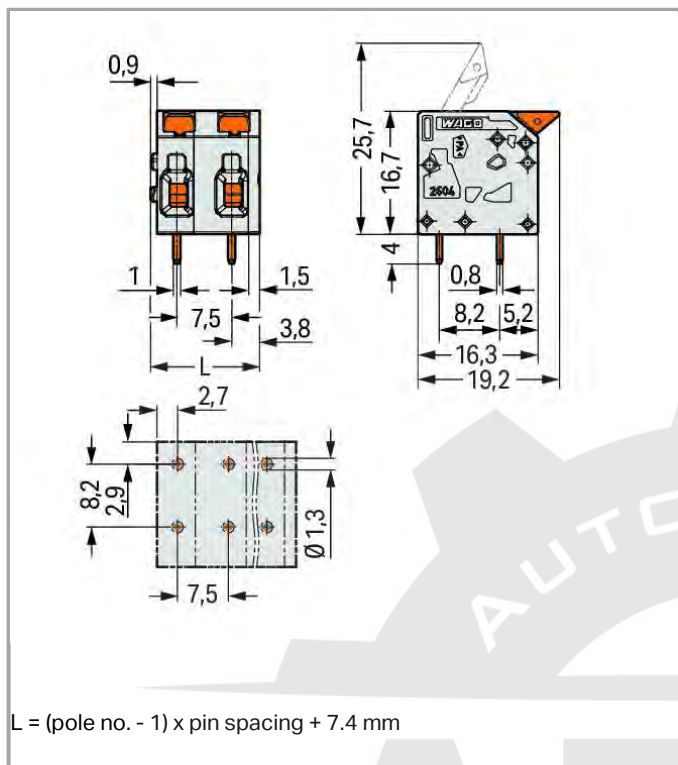


RoHS  
Compliant ✓

BOMcheck.net

Color: ■





### Item description

- PCB terminal blocks with lever-actuated Push-in CAGE CLAMP® connection
- Push-in termination of solid and ferruled conductors
- Intuitive and tool-free operation
- Several clamping units can be held open simultaneously – convenient for terminating multi-core cables
- Testing can be performed both parallel and perpendicular to conductor entry

### Data

#### Electrical data

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

|                                 |        |
|---------------------------------|--------|
| Rated voltage (III / 3)         | 630 V  |
| Rated impulse voltage (III / 3) | 6 kV   |
| Rated voltage (III / 2)         | 630 V  |
| Rated impulse voltage (III / 2) | 6 kV   |
| Rated voltage (II / 2)          | 1000 V |
| Rated impulse voltage (II / 2)  | 6 kV   |
| Rated current                   | 32 A   |

## Approvals per UL 1059

|                                |       |
|--------------------------------|-------|
| Rated voltage UL (Use Group B) | 300 V |
| Rated current UL (Use Group B) | 20 A  |
| Rated voltage UL (Use Group C) | 300 V |
| Rated current UL (Use Group C) | 20 A  |
| Rated voltage UL (Use Group D) | 600 V |
| Rated current UL (Use Group D) | 5 A   |

## Connection data

|                                                             |                                  |
|-------------------------------------------------------------|----------------------------------|
| Connection technology                                       | Push-in CAGE CLAMP®              |
| Actuation type                                              | Lever                            |
| Solid conductor                                             | 0.2 ... 4 mm² / 24 ... 12 AWG    |
| Fine-stranded conductor                                     | 0.2 ... 4 mm² / 24 ... 12 AWG    |
| Fine-stranded conductor with ferrule with plastic collar    | 0.25 ... 2.5 mm²                 |
| Fine-stranded conductor with ferrule without plastic collar | 0.25 ... 2.5 mm²                 |
| Fine-stranded conductor, with twin ferrule                  | 0.25 ... 1.5 mm²                 |
| Strip length                                                | 9 ... 11 mm / 0.35 ... 0.43 inch |
| Conductor entry angle to the PCB                            | 0°                               |
| No. of poles                                                | 4                                |
| Total number of connection points                           | 4                                |
| Total number of potentials                                  | 4                                |
| Number of connection types                                  | 1                                |
| Number of levels                                            | 1                                |

## Geometrical Data

|                                   |                                |
|-----------------------------------|--------------------------------|
| Pin spacing                       | 7.5 mm / 0.295 inch            |
| Width                             | 29.9 mm / 1.177 inch           |
| Height                            | 20.7 mm / 0.815 inch           |
| Height from the surface           | 16.7 mm / 0.657 inch           |
| Depth                             | 19.2 mm / 0.756 inch           |
| Solder pin length                 | 4 mm                           |
| Solder pin dimensions             | 0.8 x 1 mm                     |
| Drilled hole diameter (tolerance) | 1.3 <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                   | 0MJ                                    |
| Actuating element color     | orange                                 |
| Weight                      | 7.407 g                                |

## Environmental Requirements

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

## Commercial data

|                    |               |
|--------------------|---------------|
| Country of origin  | DE            |
| GTIN               | 4055143564427 |
| Customs Tariff No. | 85369010000   |

## Approvals / Certificates

### Country specific Approvals

| Logo                                                                               | Approval                                     | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|----------------------------------------------|--------------------------|------------------|
|                                                                                    | <b>CB</b><br>DEKRA Certification B.V.        | EN 60947-7-4             | NL-47057         |
|  | <b>CSA</b><br>DEKRA Certification B.V.       | C22.2 No. 158            | 70117145         |
|  | <b>KEMA/KEUR</b><br>DEKRA Certification B.V. | EN 60947-7-4             | 71-100535        |

### UL-Approvals

| Logo                                                                               | Approval                                       | Additional Approval Text | Certificate name  |
|------------------------------------------------------------------------------------|------------------------------------------------|--------------------------|-------------------|
|  | <b>cULus</b><br>Underwriters Laboratories Inc. | UL 1059                  | E45172<br>sec. 71 |

## Compatible products

### ferrule

|                                                                                  |                                                                                                                                                                                      |         |
|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
|  | <b>Item no.: 216-106</b><br>Ferrule; Sleeve for 2.5 mm <sup>2</sup> / AWG 14; uninsulated; electro-tin plated                                                                        | 216-106 |
|  | <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  | 216-241 |
|  | <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 | 216-242 |
|  | <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    | 216-243 |
|  | <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  | 216-244 |
|  | <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  | 216-246 |

### Downloads

#### Documentation

#### Additional Information

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3.6 MB

### CAD/CAE - Smart Data

#### CAD data

3D Download 2604-1304 URL Download

Subject to changes.