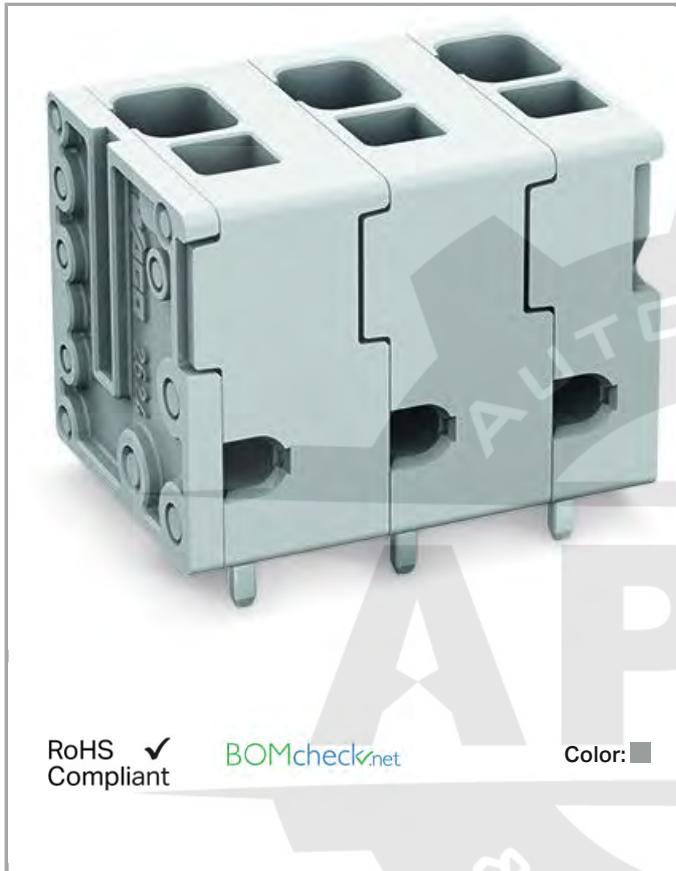


# Data sheet | Item number: 2624-3312

PCB terminal block; 4 mm<sup>2</sup>; Pin spacing 7.5 mm; 12-pole; Push-in CAGE CLAMP®



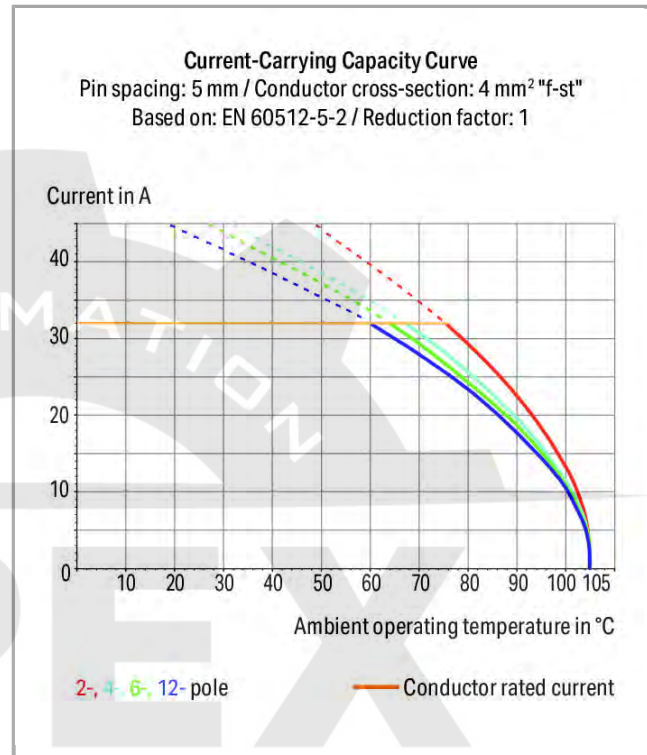
2624-3312

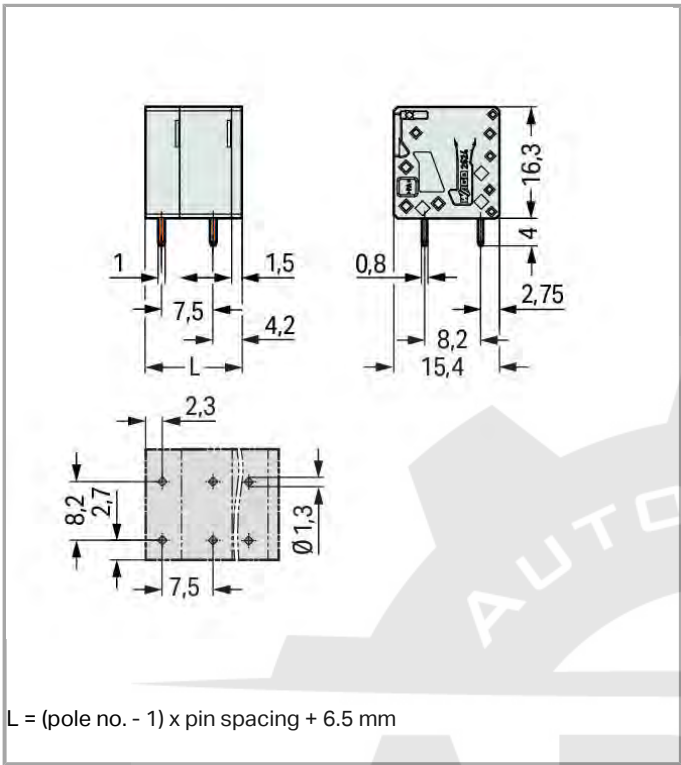


RoHS  
Compliant

BOMcheck.net

Color: ■





Item description

- 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

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                   | 41 A   |

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  |

## Connection data

|                                                             |                                   |
|-------------------------------------------------------------|-----------------------------------|
| Connection technology                                       | Push-in CAGE CLAMP®               |
| Actuation type                                              | Operating tool                    |
| Solid conductor                                             | 0.2 ... 6 mm² / 24 ... 10 AWG     |
| Fine-stranded conductor                                     | 0.2 ... 6 mm² / 24 ... 10 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                                                | 10 ... 12 mm / 0.39 ... 0.47 inch |
| Conductor entry angle to the PCB                            | 90°                               |
| No. of poles                                                | 12                                |
| Total number of connection points                           | 12                                |
| Total number of potentials                                  | 12                                |
| Number of connection types                                  | 1                                 |
| Number of levels                                            | 1                                 |

## Geometrical Data

|                                   |                                |
|-----------------------------------|--------------------------------|
| Pin spacing                       | 7.5 mm / 0.295 inch            |
| Width                             | 89 mm / 3.504 inch             |
| Height                            | 20.3 mm / 0.799 inch           |
| Height from the surface           | 16.3 mm / 0.642 inch           |
| Depth                             | 16.3 mm / 0.642 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 |

## Mechanical data

|                  |                       |
|------------------|-----------------------|
| Type of mounting | 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

|                             |                                        |
|-----------------------------|----------------------------------------|
| 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 MJ                                   |
| Weight                      | 22.588 g                               |

## Environmental Requirements

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

## Commercial data

|                    |               |
|--------------------|---------------|
| Country of origin  | DE            |
| GTIN               | 4055143582612 |
| Customs Tariff No. | 85369010000   |

## Approvals / Certificates

### Country specific Approvals

| Logo                                                                               | Approval                              | Additional Approval Text | 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         |
|  | KEMA/KEUR<br>DEKRA Certification B.V. | EN 60947-7-4             | 71-100535        |

### UL-Approvals

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

## Compatible products

### tools



**Item no.: 210-720**  
 Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm

210-720

### ferrule



**Item no.: 216-106**  
 Ferrule; Sleeve for 2.5 mm² / AWG 14; uninsulated; electro-tin plated

216-106



**Item no.: 216-241**  
 Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90

216-241



**Item no.: 216-242**  
 Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90

216-242



**Item no.: 216-243**  
 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90

216-243



**Item no.: 216-244**  
 Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90

216-244



**Item no.: 216-246**  
 Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90

216-246



**Item no.: 216-262**  
 Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90

216-262



**Item no.: 216-263**  
 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90

216-263



**Item no.: 216-264**  
 Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90

216-264



**Item no.: 216-266**  
 Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90

216-266

## Downloads

### Documentation

#### Additional Information

pdf  
 3.6 MB      Download

## CAD/CAE - Smart Data

### CAD data

3D Download 2624-3312      URL      Download



Subject to changes.