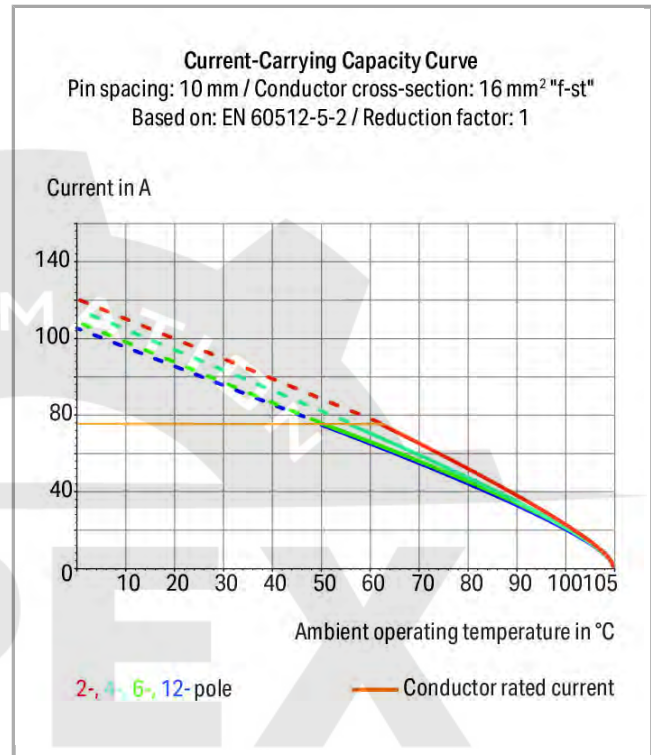


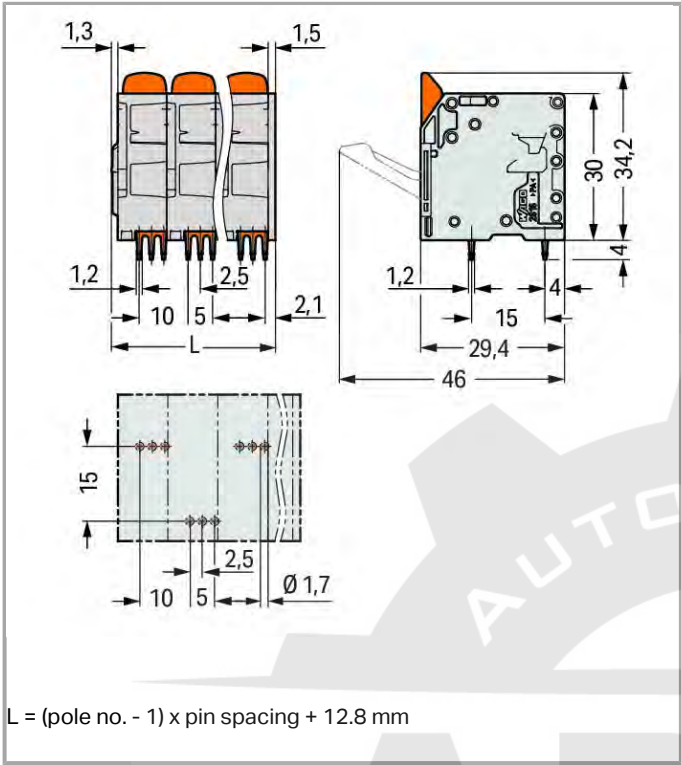
**Data sheet | Item number: 2616-3102/020-000**

PCB terminal block; lever; 16 mm<sup>2</sup>; Pin spacing 10 mm; 2-pole; Push-in CAGE CLAMP®



2616-3102/020-000





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)         | 1000 V |
| Rated impulse voltage (III / 3) | 8 kV   |
| Rated voltage (III / 2)         | 1000 V |
| Rated impulse voltage (III / 2) | 8 kV   |
| Rated voltage (II / 2)          | 1000 V |
| Rated impulse voltage (II / 2)  | 8 kV   |
| Rated current                   | 76 A   |

## Approvals per UL 1059

|                                |       |
|--------------------------------|-------|
| Rated voltage UL (Use Group B) | 600 V |
| Rated current UL (Use Group B) | 66 A  |
| Rated voltage UL (Use Group C) | 600 V |
| Rated current UL (Use Group C) | 66 A  |

## Connection data

|                                                             |                                            |
|-------------------------------------------------------------|--------------------------------------------|
| Connection technology                                       | Push-in CAGE CLAMP®                        |
| Actuation type                                              | Lever                                      |
| Solid conductor                                             | 0.75 ... 16 mm <sup>2</sup> / 18 ... 4 AWG |
| Fine-stranded conductor                                     | 0.75 ... 25 mm <sup>2</sup> / 18 ... 4 AWG |
| Fine-stranded conductor with ferrule with plastic collar    | 0.75 ... 16 mm <sup>2</sup>                |
| Fine-stranded conductor with ferrule without plastic collar | 0.75 ... 16 mm <sup>2</sup>                |
| Fine-stranded conductor, with twin ferrule                  | 0.75 ... 6 mm <sup>2</sup>                 |
| Strip length                                                | 18 ... 20 mm / 0.71 ... 0.79 inch          |
| Conductor entry angle to the PCB                            | 90°                                        |
| No. of poles                                                | 2                                          |
| Total number of connection points                           | 2                                          |
| Total number of potentials                                  | 2                                          |
| Number of connection types                                  | 1                                          |
| Number of levels                                            | 1                                          |

## Geometrical Data

|                                   |                                |
|-----------------------------------|--------------------------------|
| Pin spacing                       | 10 mm / 0.394 inch             |
| Width                             | 22.8 mm / 0.898 inch           |
| Height                            | 38.2 mm / 1.504 inch           |
| Height from the surface           | 34.2 mm / 1.346 inch           |
| Depth                             | 29.4 mm / 1.157 inch           |
| Solder pin length                 | 4 mm                           |
| Solder pin dimensions             | 1.2 x 1.2 mm                   |
| Drilled hole diameter (tolerance) | 1.7 <sup>(- ... +0.1)</sup> mm |

## PCB contact

|                                     |                                           |
|-------------------------------------|-------------------------------------------|
| PCB contact                         | THT                                       |
| Solder pin arrangement              | over the entire terminal strip, staggered |
| Number of solder pins per potential | 3                                         |

## 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                                   |
| Actuating element color     | orange                                 |
| Weight                      | 18.942 g                               |

## Environmental Requirements

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

## Commercial data

|                    |               |
|--------------------|---------------|
| Country of origin  | DE            |
| GTIN               | 4055143692793 |
| 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-53125         |
|  | <b>CSA</b><br>DEKRA Certification B.V.       | C22.2 No. 158            | 70154737         |
|  | <b>KEMA/KEUR</b><br>DEKRA Certification B.V. | EN 60947-7-4             | 71-104771        |

### UL-Approvals

| Logo                                                                               | Approval                                       | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|------------------------------------------------|--------------------------|------------------|
|  | <b>cURus</b><br>Underwriters Laboratories Inc. | C22.2 No. 158            | E45172           |

## Compatible products

### ferrule

|                                                                                  |                                                                                                                                                                                        |         |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
|  | <b>Item no.: 216-210</b><br>Ferrule; Sleeve for 16 mm <sup>2</sup> / AWG 6; insulated; electro-tin plated; electrolytic copper; gastight crimped;<br>acc. to DIN 46228, Part 4/09.90   | 216-210 |
|  | <b>Item no.: 216-284</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped;<br>acc. to DIN 46228, Part 4/09.90 | 216-284 |
|  | <b>Item no.: 216-286</b><br>Ferrule; Sleeve for 2.5 mm <sup>2</sup> / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped;<br>acc. to DIN 46228, Part 4/09.90 | 216-286 |
|  | <b>Item no.: 216-287</b><br>Ferrule; Sleeve for 4 mm <sup>2</sup> / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped;<br>acc. to DIN 46228, Part 4/09.90   | 216-287 |
|  | <b>Item no.: 216-288</b><br>Ferrule; Sleeve for 6 mm <sup>2</sup> / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped;<br>acc. to DIN 46228, Part 4/09.90   | 216-288 |
|  | <b>Item no.: 216-289</b><br>Ferrule; Sleeve for 10 mm <sup>2</sup> / AWG 8; insulated; electro-tin plated; electrolytic copper; gastight crimped;<br>acc. to DIN 46228, Part 4/09.90   | 216-289 |

## Downloads

### Documentation

#### Additional Information

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3.6 MB

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## CAD/CAE - Smart Data

### CAD data

3D Download 2616-3102/020-000

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Subject to changes.