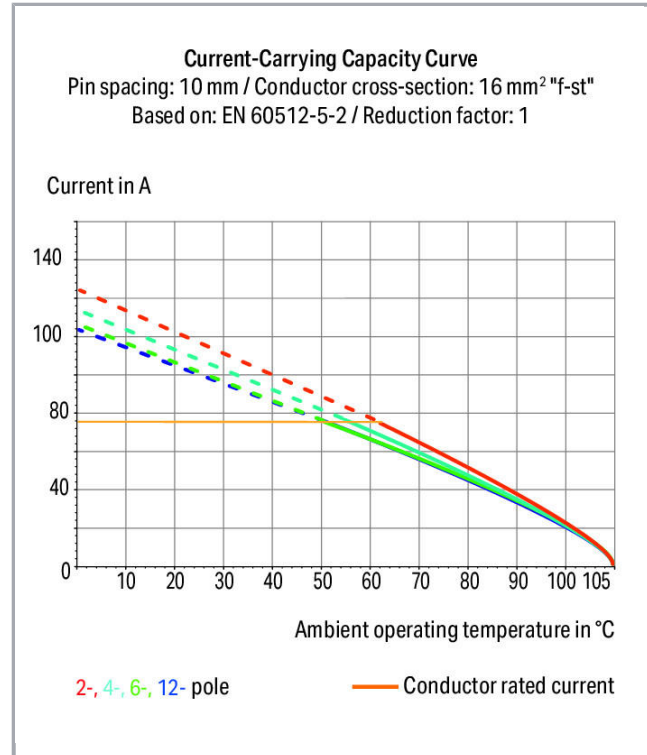
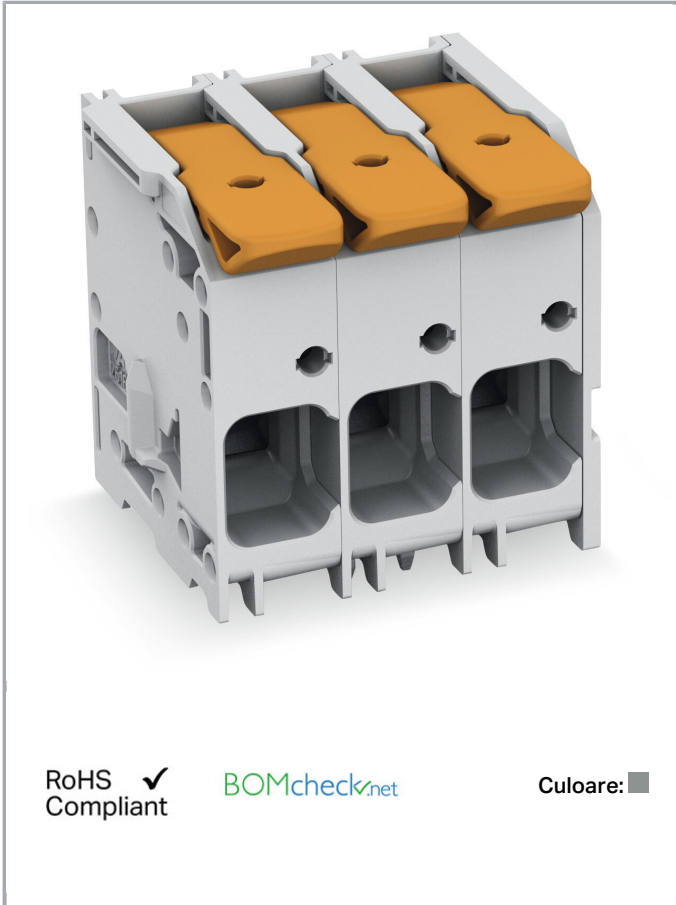


Fișă tehnică | Număr articol: 2616-1102/020-000

PCB terminal block; lever; 16 mm<sup>2</sup>; Pin spacing 10 mm; 2-pole; Push-in CAGE CLAMP®; 16,00 mm<sup>2</sup>; gray



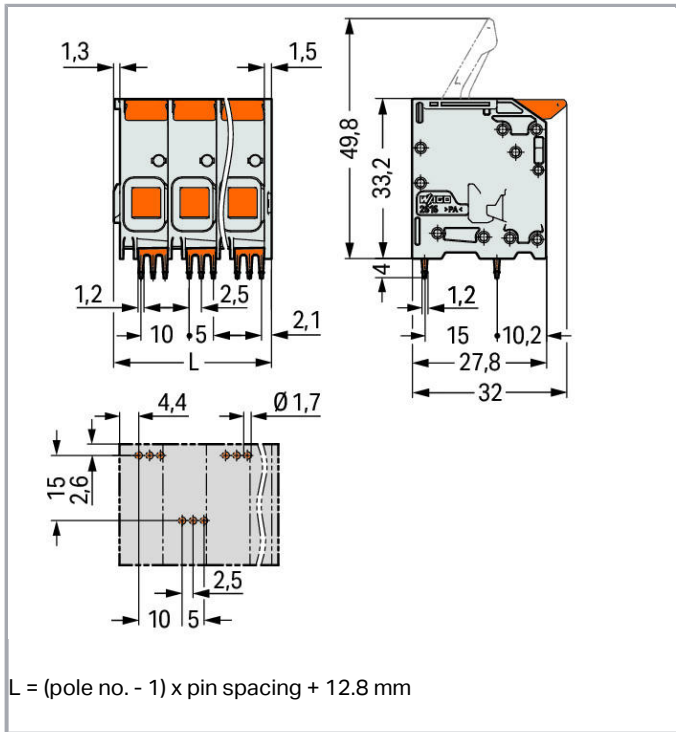
[www.wago.com/2616-1102/020-000](http://www.wago.com/2616-1102/020-000)



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## Descriere articol

- PCB terminal blocks with levers and 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

## Date

### Electrical data

### Ratings per IEC/EN 60664-1

| Ratings per                 | IEC/EN 60664-1 |
|-----------------------------|----------------|
| Nominal voltage (III/3)     | 1000 V         |
| Rated surge voltage (III/3) | 8 kV           |
| Rated voltage (III/2)       | 1000 V         |
| Rated surge voltage (III/2) | 8 kV           |
| Nominal voltage (II/2)      | 1000 V         |
| Rated surge voltage (II/2)  | 8 kV           |

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|                  |   |
|------------------|---|
| Rated current    | 76 A  |
| Legend (ratings) | (III / 2) $\hat{=}$ Overvoltage category III / Pollution degree 2 |

**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    |
| Approvals per                  | UL 1059 |

**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 insulated ferrule   | 0,75 ... 16 mm <sup>2</sup>                |
| Fine-stranded conductor; with uninsulated ferrule | 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 connection direction to PCB             | 0°   |
| Pole No.  | 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                               | 37,2 mm / 1.465 inch     |
| Height from the surface              | 33,2 mm / 1.307 inch     |
| Depth                                | 32 mm / 1.26 inch        |
| Solder pin length                    | 4 mm                     |
| Solder pin dimensions                | 1,2 x 1,2 mm             |
| Drilled hole diameter with tolerance | 1,7 <sup>(+0,1)</sup> mm |

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## 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                                      |
| Insulation 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                             |
| Color of actuator           | orange                                 |
| Weight                      | 19,1 g                                 |

## Environmental Requirements



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

## Commercial data

|                       |               |
|-----------------------|---------------|
| Packaging type        | BOX           |
| Country of origin     | DE            |
| GTIN                  | 4055143707350 |
| Customs tariff number | 85369010000   |

## Aprobări / certificate

### Country specific Approvals


| Emblemă  | Aprobare                              | Text de aprobare suplimentar | Nume certificat |
|--|---------------------------------------|------------------------------|-----------------|
|  | CSA<br>DEKRA Certification B.V.       | C22.2                        | 70154737        |
|  | KEMA/KEUR<br>DEKRA Certification B.V. | EN 60947-7-4                 | 71-<br>108233   |

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## UL-Approvals

| Emblemă  | Aprobare                                | Text de aprobare suplimentar | Nume certificat |
|--|---|------------------------------|-----------------|
|  | cURus<br>Underwriters Laboratories Inc. | C22.2 No. 158                | E45172-20171206 |

## Counterpart

## Produse compatibile

## ferrule

|  |   |  |
|--|---|--|
|    | <b>Nr. articol: 216-210</b><br>Ferrule; Sleeve for 16 mm <sup>2</sup> / AWG 6; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue    | <a href="http://www.wago.com/216-210">www.wago.com/216-210</a> |
|    | <b>Nr. articol: 216-284</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 | <a href="http://www.wago.com/216-284">www.wago.com/216-284</a> |
|  | <b>Nr. articol: 216-286</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  | <a href="http://www.wago.com/216-286">www.wago.com/216-286</a> |
|  | <b>Nr. articol: 216-287</b><br>Ferrule; Sleeve for 4 mm <sup>2</sup> / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray    | <a href="http://www.wago.com/216-287">www.wago.com/216-287</a> |
|  | <b>Nr. articol: 216-288</b><br>Ferrule; Sleeve for 6 mm <sup>2</sup> / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow  | <a href="http://www.wago.com/216-288">www.wago.com/216-288</a> |
|  | <b>Nr. articol: 216-289</b><br>Ferrule; Sleeve for 10 mm <sup>2</sup> / AWG 8; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red     | <a href="http://www.wago.com/216-289">www.wago.com/216-289</a> |

## Descărcări

## Documentation

## Additional Information

|                        |             |               |            |
|------------------------|-------------|---------------|------------|
| Technical explanations | Apr 3, 2019 | pdf<br>3,6 MB | Descărcare |
|------------------------|-------------|---------------|------------|

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## CAD/CAE-Data

### CAD data

|                                |                     |                            |
|--------------------------------|---------------------|----------------------------|
| 2D/3D Models 2616-1102/020-000 | <a href="#">URL</a> | <a href="#">Descărcare</a> |
|--------------------------------|---------------------|----------------------------|

### PCB Design

|  |                     |                            |
|--|---------------------|----------------------------|
| Symbol and Footprint 2616-1102/020-000 | <a href="#">URL</a> | <a href="#">Descărcare</a> |
|--|---------------------|----------------------------|

CAX data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.

### Supported formats:

- Accel EDA 14 & 15
- Altium 6 to current version
- Cadence Allegro
- DesignSpark
- Eagle Libraries
- KiCad
- Mentor Graphics BoardStation
- Mentor Graphics Design Architect
- Mentor Graphics Design Expedition 99 and 2000
- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

## Installation Notes

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