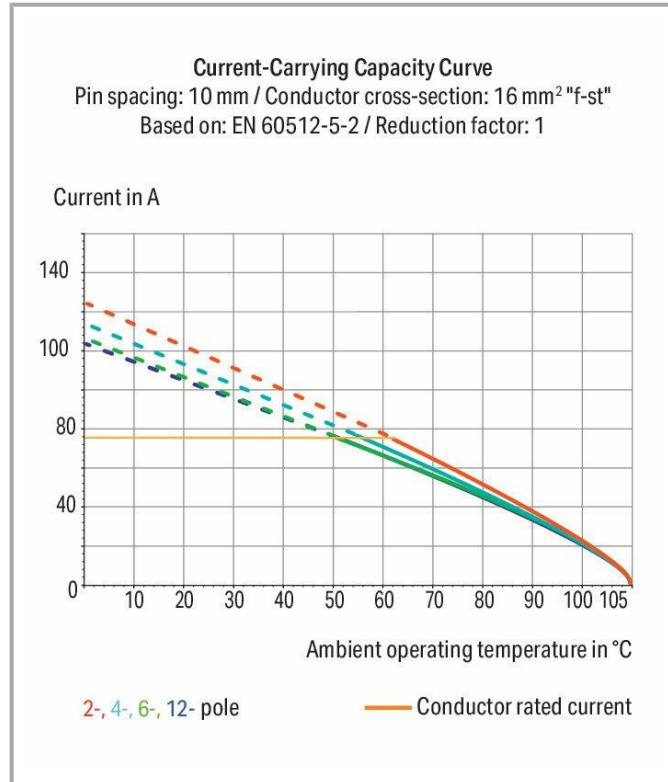
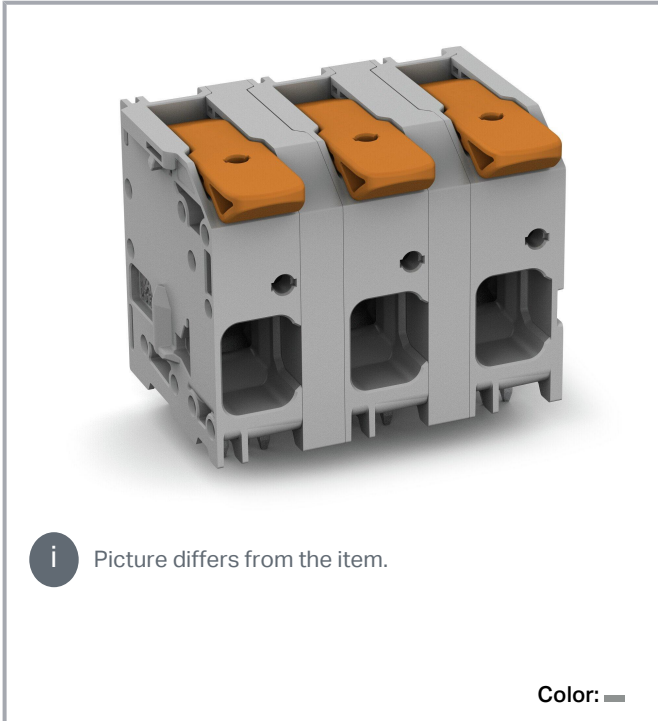


Data sheet | Item number: 2616-1352

PCB terminal block; lever; 16 mm<sup>2</sup>; Pin spacing 15 mm; 2-pole; Push-in CAGE CLAMP®; 16,00 mm<sup>2</sup>; gray



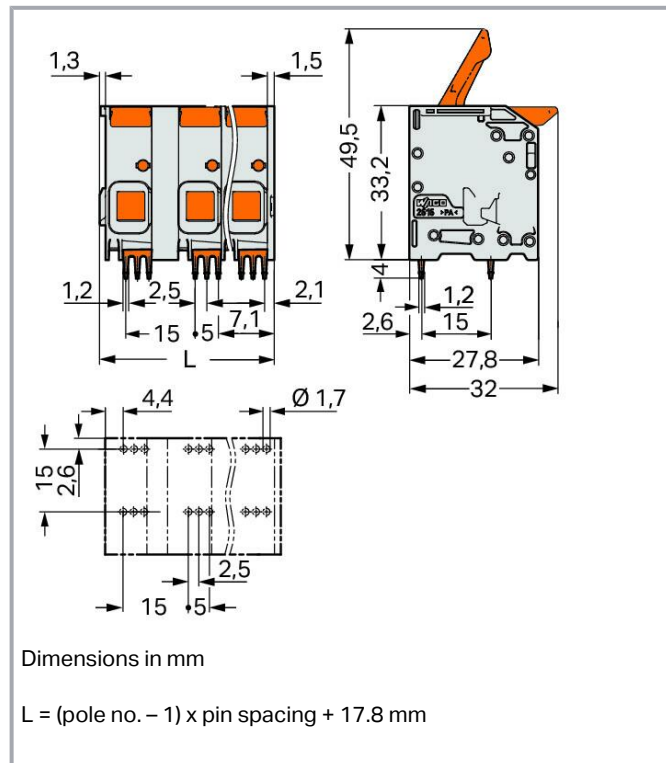
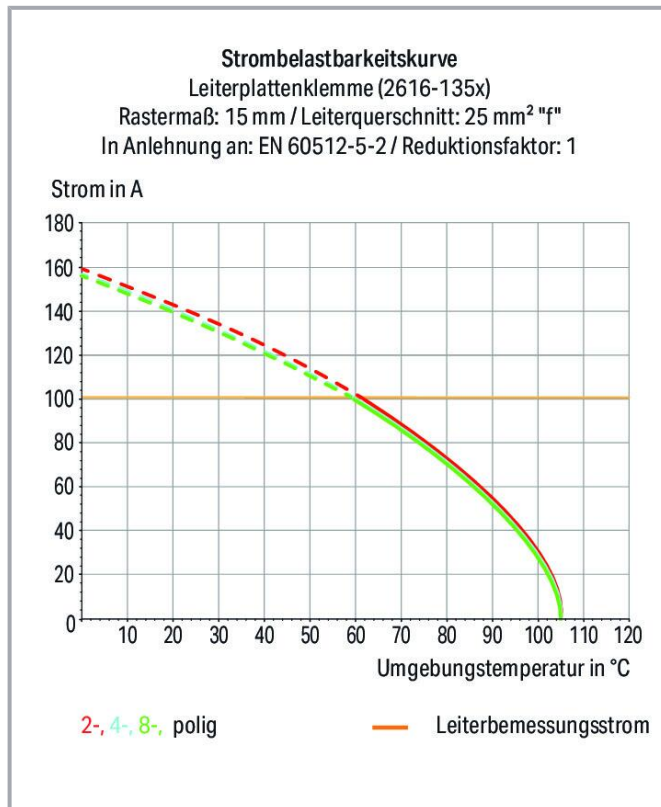
[www.wago.com/2616-1352](http://www.wago.com/2616-1352)



Subject to changes. Please also observe the further product documentation!

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Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.



## Item description

- PCB terminal blocks with Push-in CAGE CLAMP<sup>®</sup> connection and levers
- Push-in termination of solid and ferruled conductors
- Intuitive and tool-free operation
- Several clamping units can be held open simultaneously, simplifying the connection of multi-core cables
- Testing can be performed both parallel and perpendicular to conductor entry

## Data

### 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

Subject to changes. Please also observe the further product documentation!

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### Ratings per IEC/EN

| Ratings per                   | IEC/EN 60664-1  |
|-------------------------------|---|
| Nominal voltage (III/3)       | 800 V   |
| Rated impulse voltage (III/3) | 8 kV  |
| Rated voltage (III/2)         | 1000 V  |
| Rated impulse voltage (III/2) | 8 kV  |
| Nominal voltage (II/2)        | 1000 V  |
| Rated surge voltage (II/2)    | 8 kV  |
| Rated current                 | 76 A  |
| Legend (ratings)              | (III / 2) $\hat{=}$ 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) | 78 A    |
| Rated voltage UL (Use Group C) | 300 V   |
| Rated current UL (Use Group C) | 78 A    |
| Rated voltage UL (Use Group D) | 600 V   |
| Rated current UL (Use Group D) | 5 A     |

### Ratings per CSA

| Approvals per                   | CSA   |
|---------------------------------|-------|
| Rated voltage CSA (Use Group B) | 300 V |
| Rated current CSA (Use Group B) | 72 A  |
| Rated voltage CSA (Use Group C) | 300 V |
| Rated current CSA (Use Group C) | 72 A  |
| Rated voltage CSA (Use Group D) | 600 V |
| Rated current CSA (Use Group D) | 72 A  |

### Connection data

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

Subject to changes. Please also observe the further product documentation!



## Connection 1

|   |  |
|---|--|
| 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 inches        |
| Conductor connection direction to PCB             | 0°   |
| Pole number                                       | 2  |

## Physical data

|                                      |                          |
|--------------------------------------|--------------------------|
| Pin spacing                          | 15 mm / 0.591 inches     |
| Width                                | 26.5 mm / 1.043 inches   |
| Height                               | 37.2 mm / 1.465 inches   |
| Height from the surface              | 33.2 mm / 1.307 inches   |
| Depth                                | 32 mm / 1.26 inches      |
| 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 |

## PCB contact

|                                     |  |
|-------------------------------------|--|
| PCB contact                         | THT                                      |
| Solder pin arrangement              | Over the entire terminal strip (in-line) |
| Number of solder pins per potential | 6  |

## 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   |

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|                          |  |
|--------------------------|--|
| Clamping spring material | Chrome-nickel spring steel (CrNi)      |
| Contact material         | Electrolytic copper (E <sub>Cu</sub> ) |
| Contact plating          | Tin                                    |
| Fire load                | 0.347 MJ                               |
| Actuator color           | orange                                 |
| Weight                   | 22.4 g                                 |

### Environmental requirements

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

### Commercial data



|                       |               |
|-----------------------|---------------|
| ETIM 8.0              | EC002643      |
| ETIM 7.0              | EC002643      |
| PU (SPU)              | 44 pcs        |
| Packaging type        | box           |
| Country of origin     | DE            |
| GTIN                  | 4055143860284 |
| Customs tariff number | 85369010000   |

### Environmental Product Compliance

|                        |                         |
|------------------------|-------------------------|
| RoHS Compliance Status | Compliant, No Exemption |
|------------------------|-------------------------|

### Approvals / Certificates

#### General approvals







| Logo   | Approval                                | Additional Approval Text | Certificate name |
|--|---|--------------------------|------------------|
|  | CB<br>DEKRA Certification B.V.          | IEC 60947-7-4            | NL-61617         |
|  | CSA<br>DEKRA Certification B.V.         | C22.2                    | 70154737         |
|  | cURus<br>Underwriters Laboratories Inc. | C22.2 No. 158            | E45172           |
|  | KEMA/KEUR                               | EN 60947-7-4             | 71-              |

Subject to changes. Please also observe the further product documentation!



## Optional accessories

### Ferrule

| 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; acc. to DIN 46228, Part 4/09.90; blue    | <a href="http://www.wago.com/216-210">www.wago.com/216-210</a> |
|    | <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; acc. to DIN 46228, Part 4/09.90; black | <a href="http://www.wago.com/216-284">www.wago.com/216-284</a> |
|    | <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; acc. to DIN 46228, Part 4/09.90; blue  | <a href="http://www.wago.com/216-286">www.wago.com/216-286</a> |
|    | <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; acc. to DIN 46228, Part 4/09.90; gray    | <a href="http://www.wago.com/216-287">www.wago.com/216-287</a> |
|    | <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; acc. to DIN 46228, Part 4/09.90; yellow  | <a href="http://www.wago.com/216-288">www.wago.com/216-288</a> |
|  | <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; acc. to DIN 46228, Part 4/09.90; red     | <a href="http://www.wago.com/216-289">www.wago.com/216-289</a> |

## Downloads

### Documentation

#### Additional Information

|                        |            |        |          |
|------------------------|------------|--------|----------|
| Technical Section      | 2019 Apr 3 | pdf    | Download |
| Technical explanations |            | 2.0 MB |          |

## CAD/CAE-Data

### PCB Design

|   |     |          |
|---|-----|----------|
| Symbol and Footprint 2616-1352  | URL | Download |
| 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:

Subject to changes. Please also observe the further product documentation!



- 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

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#### CAE data

|                        |                     |                          |
|------------------------|---------------------|--------------------------|
| ZUKEN Portal 2616-1352 | <a href="#">URL</a> | <a href="#">Download</a> |
|------------------------|---------------------|--------------------------|

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#### CAD data

|                        |                     |                          |
|------------------------|---------------------|--------------------------|
| 2D/3D Models 2616-1352 | <a href="#">URL</a> | <a href="#">Download</a> |
|------------------------|---------------------|--------------------------|

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### Environmental Product Compliance

#### Compliance Search

|  |                     |                          |
|--|---------------------|--------------------------|
| Environmental Product Compliance 2616-1352<br>PCB terminal block; lever; 16 mm <sup>2</sup> ; Pin spacing 15 mm; 2-pole; Push-in CAGE CLAMP®; 16,00 mm <sup>2</sup> ; gray | <a href="#">URL</a> | <a href="#">Download</a> |
|--|---------------------|--------------------------|

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Subject to changes. Please also observe the further product documentation!

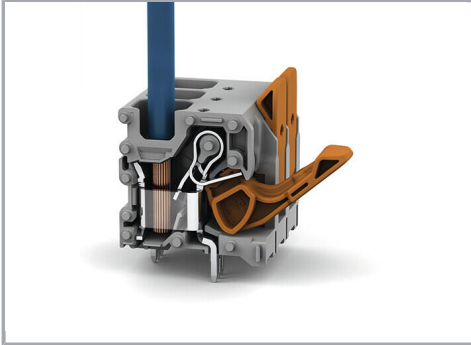
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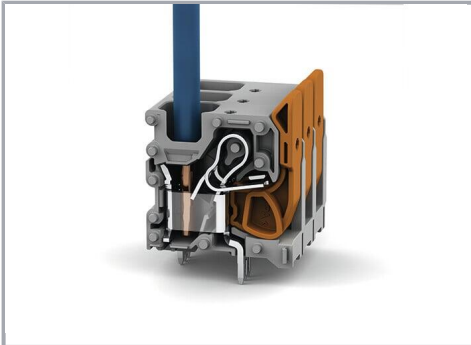
## Installation Notes

### Conductor termination



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

### Conductor termination



Insert solid conductors via push-in termination.

Subject to changes. Please also observe the further product documentation!