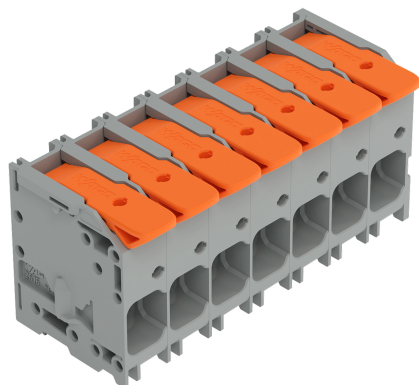


## Data Sheet | Item Number: 2616-1107/020-000

PCB terminal block; lever; 16 mm<sup>2</sup>; Pin spacing 10 mm; 7-pole; Push-in CAGE

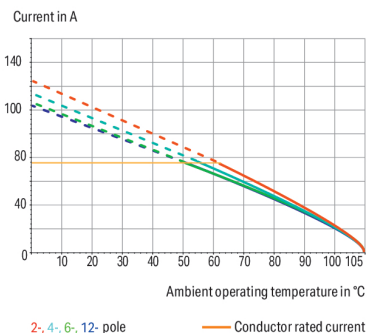
CLAMP®; gray

<https://www.wago.com/2616-1107/020-000>

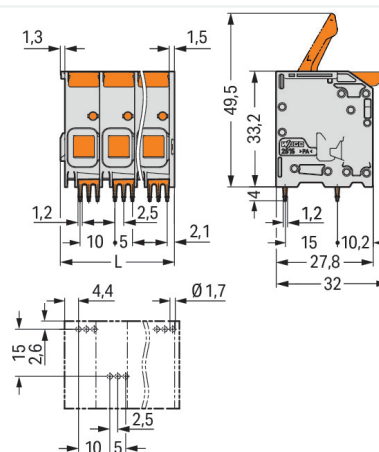
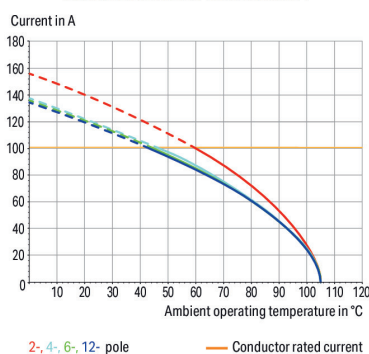


Color: ■ gray

Current-Carrying Capacity Curve  
Pin spacing: 10 mm / Conductor cross-section: 16 mm<sup>2</sup> "f-st"  
Based on: EN 60512-5-2 / Reduction factor: 1



Current-carrying capacity curve  
PCB terminal block (2616-11xx/0020-0000)  
Pin spacing: 10 mm / Conductor cross-section: 25 mm<sup>2</sup> "f-st"  
Based on: EN 60512-5-2 / Reduction factor: 1



Dimensions in mm  
L = (pole no. - 1) x pin spacing + 12.8 mm

### PCB terminal block, 2616 Series, lever

Connecting conductors is quick and easy with this PCB terminal block (item number 2616-1107/020-000). It is perfect for custom installations with different mounting types. Strip lengths must be between 18 and 20 mm when connecting conductors to this PCB terminal block. This product features one conductor terminal and utilizes Push-in CAGE CLAMP®. Our Push-in CAGE CLAMP® is a universal, maintenance-free connection solution for all conductor types, boasting a key feature: both solid and fine-stranded conductors with ferrules can be directly inserted without the need for tools or any preparation, such as crimping the ferrule. Dimensions: (72.8 x 37.2 x 32) mm (width x height x depth). This PCB terminal block is suitable for conductor cross sections ranging from 0.75 mm<sup>2</sup> to 16 mm<sup>2</sup>. The contact surface is coated with tin. This PCB terminal block is operated with a lever. THT is used to solder the PCB terminal block. Insert the conductor at an angle of 0°..



| Notes     |                                                                                                                                                                                                                      |
|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Variants: | Other pole numbers<br>Direct marking<br>Other colors<br>Other versions (or variants) can be requested from WAGO Sales or configured at <a href="https://configurator.wago.com/">https://configurator.wago.com/</a> . |

| Electrical data                 |  |                |        |        |
|---------------------------------|--|----------------|--------|--------|
| Ratings per                     |  | IEC/EN 60664-1 |        |        |
| Overvoltage category            |  | III            | III    | II     |
| Pollution degree                |  | 3              | 2      | 2      |
| Nominal voltage                 |  | 1000 V         | 1000 V | 1000 V |
| Rated impulse withstand voltage |  | 8 kV           | 8 kV   | 8 kV   |
| Rated current                   |  | 76 A           | 76 A   | 76 A   |
| Approvals per                   |  | UL 1059        |        |        |
| Use group                       |  | B              | C      | D      |
| Rated voltage                   |  | 600 V          | 600 V  | -      |
| Rated current                   |  | 66 A           | 66 A   | -      |

| Approvals per |  | CSA   |       |   |
|---------------|--|-------|-------|---|
| Use group     |  | B     | C     | D |
| Rated voltage |  | 600 V | 600 V | - |
| Rated current |  | 66 A  | 66 A  | - |

| Connection Data            |   |
|----------------------------|---|
| Clamping units             | 7 |
| Total number of potentials | 7 |
| Number of connection types | 1 |
| Number of levels           | 1 |

| Connection 1                                      |                                     |
|---------------------------------------------------|-------------------------------------|
| Connection technology                             | Push-in CAGE CLAMP®                 |
| Actuation type                                    | Lever                               |
| Solid conductor                                   | 0.75 ... 16 mm² / 18 ... 4 AWG      |
| Fine-stranded conductor                           | 0.75 ... 25 mm² / 18 ... 4 AWG      |
| Fine-stranded conductor; with insulated ferrule   | 0.75 ... 16 mm²                     |
| Fine-stranded conductor; with uninsulated ferrule | 0.75 ... 16 mm²                     |
| Fine-stranded conductor; with twin ferrule        | 0.75 ... 6 mm²                      |
| Strip length                                      | 18 ... 20 mm / 0.71 ... 0.79 inches |
| Conductor connection direction to PCB             | 0 °                                 |
| Pole number                                       | 7                                   |

| Physical data           |                        |
|-------------------------|------------------------|
| Pin spacing             | 10 mm / 0.394 inches   |
| Width                   | 72.8 mm / 2.866 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   | 1.7 (+0.1) mm          |



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

| Material data                      |  |                                                                          |
|------------------------------------|--|--------------------------------------------------------------------------|
| Note (material data)               |  | <a href="#">Information on material specifications can be found here</a> |
| Color                              |  | gray                                                                     |
| Material group                     |  | I                                                                        |
| Insulation material (main housing) |  | Polyamide (PA66)                                                         |
| Flammability class per UL94        |  | V0                                                                       |
| Clamping spring material           |  | Chrome-nickel spring steel (CrNi)                                        |
| Contact material                   |  | Electrolytic copper (E <sub>Cu</sub> )                                   |
| Contact Plating                    |  | Tin                                                                      |
| Fire load                          |  | 0.768 MJ                                                                 |
| Actuator color                     |  | orange                                                                   |
| Weight                             |  | 65.2 g                                                                   |

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

| Commercial data       |  |               |
|-----------------------|--|---------------|
| PU (SPU)              |  | 12 pcs        |
| Packaging type        |  | Box           |
| Country of origin     |  | PL            |
| GTIN                  |  | 4066966475340 |
| Customs tariff number |  | 85369010000   |

| Product Classification |  |                      |
|------------------------|--|----------------------|
| UNSPSC                 |  | 39121409             |
| eCl@ss 10.0            |  | 27-44-04-01          |
| eCl@ss 9.0             |  | 27-44-04-01          |
| ETIM 9.0               |  | EC002643             |
| ETIM 10.0              |  | EC002643             |
| ECCN                   |  | NO US CLASSIFICATION |

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



Approvals / Certificates

General approvals



| Approval                              | Standard      | Certificate Name                    |
|---------------------------------------|---------------|-------------------------------------|
| CB<br>DEKRA Certification B.V.        | EN 60947-7-4  | NL-61617                            |
| CSA<br>DEKRA Certification B.V.       | C22.2         | 70154737                            |
| DEKRA<br>DEKRA Certification B.V.     | EN 60947-7-4  | 71-148282                           |
| KEMA/KEUR<br>DEKRA Certification B.V. | EN 60947-7-4  | 71-110774                           |
| UL<br>Underwriters Laboratories Inc.  | C22.2 No. 158 | UL-US-<br>L45172-6187173-60217102-1 |

Downloads

Environmental Product Compliance

Compliance Search

|                                                       |   |
|-------------------------------------------------------|---|
| Environmental Product Compliance<br>2616-1107/020-000 | ↓ |
|-------------------------------------------------------|---|

Documentation

Additional Information

|                   |            |                   |   |
|-------------------|------------|-------------------|---|
| Technical Section | 03.04.2019 | pdf<br>2027.26 KB | ↓ |
|-------------------|------------|-------------------|---|

CAD/CAE-Data

CAD data

|                                   |   |
|-----------------------------------|---|
| 2D/3D Models<br>2616-1107/020-000 | ↓ |
|-----------------------------------|---|

CAE data

|                                   |   |
|-----------------------------------|---|
| ZUKEN Portal<br>2616-1107/020-000 | ↓ |
|-----------------------------------|---|

PCB Design

|                                                           |   |
|-----------------------------------------------------------|---|
| Symbol and Footprint<br>via SamacSys<br>2616-1107/020-000 | ↓ |
|-----------------------------------------------------------|---|

|                                                                  |   |
|------------------------------------------------------------------|---|
| Symbol and Footprint<br>via Ultra Librarian<br>2616-1107/020-000 | ↓ |
|------------------------------------------------------------------|---|



1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule



**Item No.: 216-284**  
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



**Item No.: 216-289**  
Ferrule; Sleeve for 10 mm² / AWG 8; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



**Item No.: 216-210**  
Ferrule; Sleeve for 16 mm² / AWG 6; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue



**Item No.: 216-286**  
Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue



**Item No.: 216-287**  
Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



**Item No.: 216-288**  
Ferrule; Sleeve for 6 mm² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow

1.1.2 Jumper

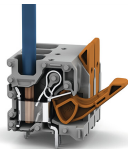
1.1.2.1 Jumper



**Item No.: 2616-902**  
Jumper; for conductor entry; 2-way; insulated; gray

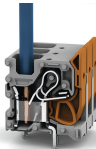
Installation Notes

Conductor termination



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

Conductor termination



Insert solid conductors via push-in termination.