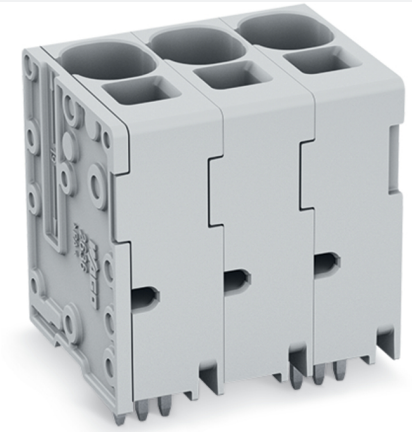
# Data Sheet | Item Number: 2636-3102/020-000

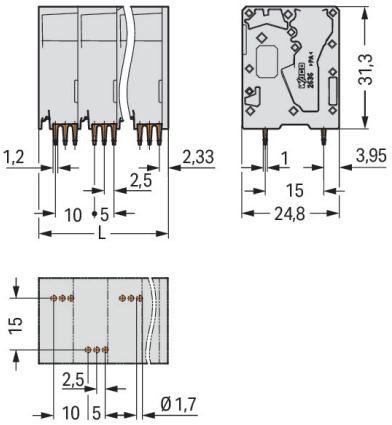
PCB terminal block; 16 mm²; Pin spacing 10 mm; 2-pole; Push-in CAGE CLAMP®; 16,00 mm²; gray

https://www.wago.com/2636-3102/020-000



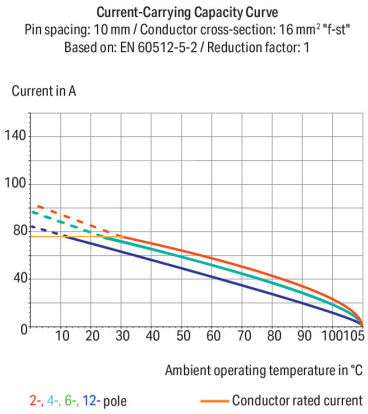
Color: gray

Similar to illustration




Dimensions in mm

L = (pole no. – 1) x pin spacing + 11.6 mm




PCB terminal block, 2636 Series, with 10 mm pin spacing

This PCB terminal block (item number 2636-3102/020-000) is designed for easy and secure connections. It is perfect for custom installations with different mounting types. Rated current and voltage are key factors to consider when selecting a PCB terminal block, as they determine the product's suitability for different applications. This product has a rated voltage of 1000 V and a rated current of 76 A, making it suitable for high-load applications. Strip lengths must be between 18 mm and 20 mm when connecting conductors to this PCB terminal block. This product features one conductor terminal and utilizes Push-in CAGE CLAMP®. Push-in CAGE CLAMP® technology provides a universal connection solution for all conductor types. It allows both solid and fine-stranded conductors with ferrules to be inserted directly into the clamping point without the need for tools. The item's dimensions are 21.6 x 35.3 x 24.8 mm (width x height x depth). Depending on the type of conductor, this PCB terminal block is ideal for conductor cross sections ranging from 0.75 mm² to 16 mm². It features one level and two clamping points that you can use to connect two potentials / 2 poles. The clamping spring is made of chrome-nickel spring steel (CrNi), the gray housing is made of polyamide (PA66) for insulation, and the contacts are made of electrolytic copper (ECu). Tin is used for coating the contact surfaces. An operating tool is used to operate this PCB terminal block. THT is used to solder the PCB terminal block. These PCB terminal blocks are mounted using feed-through mounts.. The conductor is designed to be inserted into the board at an angle of 90°.. The solder pins measure 1.2 x 1 mm in cross-section and 4 mm in length and are laid out over the entire terminal strip (staggered). There are three solder pins per potential.

## 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 https://configurator.wago.com/. |

## 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 surge voltage | 8 kV | 8 kV | 8 kV |
| Rated current | 76 A | 76 A | 76 A |

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

| Ratings per UL | |
|---|---|
| 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

| | |
|---|---|
| Clamping units | 2 |
| Total number of potentials | 2 |
| Number of connection types | 1 |
| Number of levels | 1 |

### Connection 1

| | |
|---|---|
| Connection technology | Push-in CAGE CLAMP® |
| Actuation type | Operating tool |
| 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 | 90 ° |
| Pole number | 2 |

## Physical data

| | |
|---|---|
| Pin spacing | 10 mm / 0.394 inches |
| Width | 21.6 mm / 0.85 inches |
| Height | 35.3 mm / 1.39 inches |
| Height from the surface | 31.3 mm / 1.232 inches |
| Depth | 24.8 mm / 0.976 inches |
| Solder pin length | 4 mm |
| Solder pin dimensions | 1.2 x 1 mm |
| Drilled hole diameter with tolerance | 1.7 $^{(+0.1)}$ mm |

## Mechanical data

| | |
|---|---|
| Mounting type | Feed-through mounting |

## 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) | Information on material specifications can be found here |
| 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 ($E_{Cu}$) |
| Contact Plating | Tin |
| Fire load | 0 MJ |
| Weight | 16.8 g |

## Environmental requirements

| | |
|---|---|
| Limit temperature range | -60 … +105 °C |
| Processing temperature | -35 … +60 °C |
| Continuous operating temperature | -60 … +105 °C |

## Commercial data

| | |
|---|---|
| PU (SPU) | 50 pcs |
| Packaging type | Box |
| Country of origin | DE |
| GTIN | 4055143625517 |
| 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 8.0 | 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-L45172-6187173-60217102-1 |

## Downloads

### Environmental Product Compliance

**Compliance Search**

Environmental Product Compliance
2636-3102/020-000

### Documentation

**Additional Information**

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

### CAD/CAE-Data

**CAD data**

2D/3D Models
2636-3102/020-000

**CAE data**

ZUKEN Portal
2636-3102/020-000

**PCB Design**

Symbol and Footprint
via SamacSys
2636-3102/020-000

Symbol and Footprint
via Ultra Librarian
2636-3102/020-000

## 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 Tool

##### 1.1.2.1 Operating tool

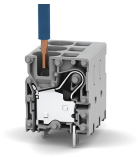
Item No.: 210-721
Operating tool; Blade: 5.5 x 0.8 mm; with a partially insulated shaft; multicoloured

## Installation Notes

### Conductor termination

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

### Conductor termination



Insert solid conductors via push-in termination.