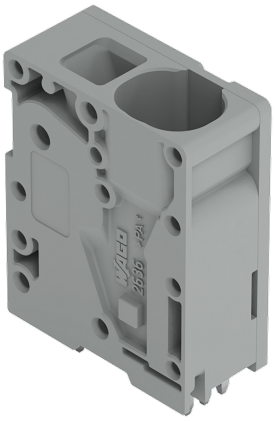
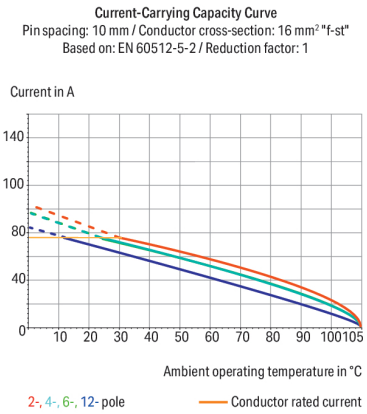
# Data Sheet | Item Number: 2636-3101/000-024

PCB terminal block; 16 mm²; Pin spacing 10 mm; 1-pole; Push-in CAGE CLAMP®; 16,00 mm²; violet

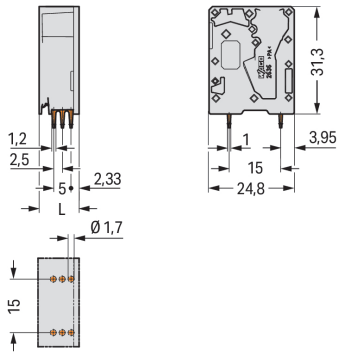
https://www.wago.com/2636-3101/000-024






Color: violet

Similar to illustration




Dimensions in mm
L = 11.6 mm

PCB terminal block, 2636 Series, 90 °conductor entry to board

Quick and easy connections are guaranteed with this PCB terminal block (item number 2636-3101/000-024). It is a universal connector that can be used practically anywhere, e.g., as a pluggable PCB connector, panel feedthrough header, connector for rail-mount terminal blocks, or a floating connector for different mounting methods. Conductors can only be connected to this PCB terminal block if their strip length is between 18 and 20 mm . 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 dimensions are (11.6 x 35.3 x 24.8) mm (width x height x depth). This PCB terminal block is suitable for conductor cross sections ranging from 0.75 mm² to 16 mm².

Tin is used for coating the contact surfaces. An operating tool is used to operate this PCB terminal block. The PCB terminal block is designed for THT soldering. The conductor is designed to be inserted at a 90° angle..

## Notes

| | |
|---|---|
| General safety information | **NOTICE: Observe installation and safety instructions!**<br><br>**To be sold only with installation instructions!** |
| Note | The inherent stability of a single-pole PCB terminal block is less than that of a multi-pole terminal strip. The customer must therefore ensure that these terminal blocks are protected against excessive mechanical stress (e.g., torsional or bending stress), both when connecting the conductor and during subsequent use, for example by providing additional support, shortly holding the connected conductor and appropriate actuation instructions. |
| 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 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 | 85 A | 85 A | - |

| Approvals per | CSA | | |
|---|---|---|---|
| Use group | B | C | D |
| Rated voltage | 600 V | 1000 V | - |
| Rated current | 66 A | 66 A | - |

## Connection Data

| | |
|---|---|
| Clamping units | 1 |
| Total number of potentials | 1 |
| 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 | 1 |

## Physical data

| | |
|---|---|
| Pin spacing | 10 mm / 0.394 inches |
| Width | 11.6 mm / 0.457 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 | 1.7 $^{(+0.1)}$ mm |


Continued on next page

## Mechanical data

| | |
|---|---|
| Mounting type | Feed-through mounting |
| Suitable for through-panel applications | Yes |

## 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 | violet |
| 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 | 0.113 MJ |
| Weight | 9.3 g |

## Environmental requirements

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

## Commercial data

| | |
|---|---|
| PU (SPU) | 119 pcs |
| Packaging type | Box |
| Country of origin | PL |
| GTIN | 4066966515992 |
| 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 |


Continued on next page

## Environmental Product Compliance

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

## Approvals / Certificates

### General approvals

| Approval | Standard | Certificate Name |
|---|---|---|
| CSA<br>CSA Group | C22.2 No. 158 | 70154737 |
| DEKRA<br>DEKRA Certification B.V. | EN 60947-7-4 | 71-148282 |

### Declarations of conformity and manufacturer's declarations

| Approval | Standard | Certificate Name |
|---|---|---|
| Railway<br>WAGO GmbH & Co. KG | - | Z00004417.000 |

## Downloads

### Environmental Product Compliance

**Compliance Search**

Environmental Product Compliance
2636-3101/000-024

### Documentation

**Safety Data Sheet**

| | | |
|---|---|---|
| Handling and Safety Instructions of PCB Terminal Blocks with Push-In Cage Clamp | pdf<br>393.90 KB | |

**Additional Information**

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

### CAD/CAE-Data

**CAD data**

2D/3D Models
2636-3101/000-024

**CAE data**

ZUKEN Portal
2636-3101/000-024

**PCB Design**

Symbol and Footprint via SamacSys
2636-3101/000-024

Symbol and Footprint via Ultra Librarian
2636-3101/000-024


Continued on next page

# 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

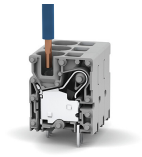
# Installation Notes

## Conductor termination



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

## Conductor termination



Insert solid conductors via push-in termination.