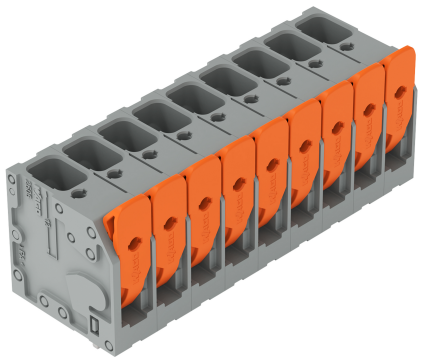
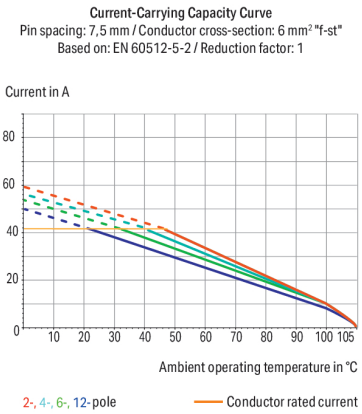
# Data Sheet | Item Number: 2606-3109/020-000

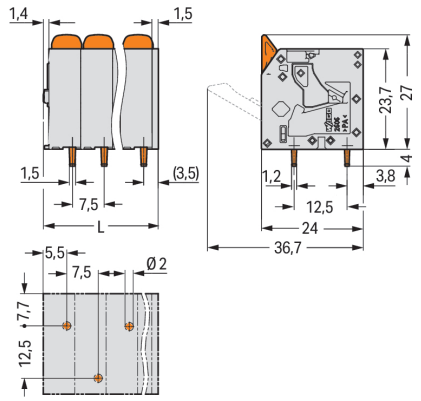
PCB terminal block; lever; 6 mm²; Pin spacing 7.5 mm; 9-pole; Push-in CAGE CLAMP®; gray

https://www.wago.com/2606-3109/020-000






Color: gray




Dimensions in mm
L = (pole no. – 1) x pin spacing + 10.35 mm

PCB terminal block, 2606 Series, with 7.5 mm pin spacing

Our PCB terminal block (item number 2606-3109/020-000) is the perfect way to connect conductors quickly and securely. You can count on proven safety with these PCB terminal blocks, perfect for a wide variety of applications when designing your devices. Conductors should only be connected to this PCB terminal block if their strip length is between 11 and 13 mm . 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, offering a key advantage: 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. The dimensions are (70.35 x 31 x 24) mm (width x height x depth). Depending on the type of conductor, this PCB terminal block is ideal for conductor cross sections ranging from 0.2 mm² to 10 mm². The contact surface is coated with tin. A lever is used to operate this PCB terminal block. The PCB terminal block is designed for THT soldering. Insert the conductor at a 90° angle..

## Notes

| | |
|---|---|
| General safety information | **NOTICE: Observe installation and safety instructions!**<br><br>**To be sold only with installation 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 | 800 V | 1000 V | 1000 V |
| Rated impulse withstand voltage | 8 kV | 8 kV | 8 kV |
| Rated current | 41 A | 41 A | 41 A |

| Approvals per | UL 1059 | | |
|---|---|---|---|
| Use group | B | C | D |
| Rated voltage | 600 V | 600 V | - |
| Rated current | 31 A | 31 A | - |

| Approvals per | CSA | | |
|---|---|---|---|
| Use group | B | C | D |
| Rated voltage | 600 V | 600 V | - |
| Rated current | 31 A | 31 A | - |

## Connection Data

| | |
|---|---|
| Clamping units | 9 |
| Total number of potentials | 9 |
| Number of connection types | 1 |
| Number of levels | 1 |

### Connection 1

| | |
|---|---|
| Connection technology | Push-in CAGE CLAMP® |
| Actuation type | Lever |
| Solid conductor | 0.2 … 10 mm² / 24 … 8 AWG |
| Fine-stranded conductor | 0.2 … 10 mm² / 24 … 8 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.2 … 6 mm² |
| Fine-stranded conductor; with uninsulated ferrule | 0.5 … 6 mm² |
| Fine-stranded conductor; with twin ferrule | 0.25 … 2.5 mm² |
| Strip length | 11 … 13 mm / 0.43 … 0.51 inches |
| Conductor connection direction to PCB | 90 ° |
| Pole number | 9 |

## Physical data

| | |
|---|---|
| Pin spacing | 7.5 mm / 0.295 inches |
| Width | 70.35 mm / 2.77 inches |
| Height | 31 mm / 1.22 inches |
| Height from the surface | 27 mm / 1.063 inches |
| Depth | 24 mm / 0.945 inches |
| Solder pin length | 4 mm |
| Solder pin dimensions | 1.5 x 1.2 mm |
| Drilled hole diameter | 2 $^{(+0.1)}$ mm |


Continued on next page

## PCB contact

| | |
|---|---|
| PCB contact | THT |
| Solder pin arrangement | over the entire terminal strip (staggered) |
| Number of solder pins per potential | 1 |

## 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 | 0.54 MJ |
| Actuator color | orange |
| Weight | 38 g |

## Environmental requirements

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

## Commercial data

| | |
|---|---|
| PU (SPU) | 16 pcs |
| Packaging type | Box |
| Country of origin | PL |
| GTIN | 4066966396720 |
| 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 |


Continued on next page

## Approvals / Certificates

### General approvals

| Approval | Standard | Certificate Name |
|---|---|---|
| CB<br>DEKRA Certification B.V. | IEC 60947-7-4 | NL-103311 |
| CSA<br>CSA Group | C22.2 | 70146882 |
| UL<br>Underwriters Laboratories Inc. | UL 1059 | UL-US-L45172-6187172-92117102-1 |

## Downloads

### Environmental Product Compliance

**Compliance Search**

Environmental Product Compliance
2606-3109/020-000

### 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
2606-3109/020-000

**CAE data**

ZUKEN Portal
2606-3109/020-000

**PCB Design**

Symbol and Footprint via SamacSys
2606-3109/020-000

Symbol and Footprint via Ultra Librarian
2606-3109/020-000


Continued on next page

## 1 Compatible Products

### 1.1 Optional Accessories

#### 1.1.1 Ferrule

##### 1.1.1.1 Ferrule



Item No.: 216-263
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



Item No.: 216-264
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.: 216-266
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.: 216-267
Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



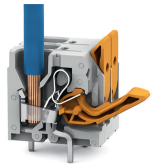
Item No.: 216-208
Ferrule; Sleeve for 6 mm² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow



Item No.: 216-108
Ferrule; Sleeve for 6 mm² / AWG 10; uninsulated; electro-tin plated; silver-colored

## Installation Notes

### Conductor termination



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

### Conductor termination



Insert solid conductors via push-in termination.