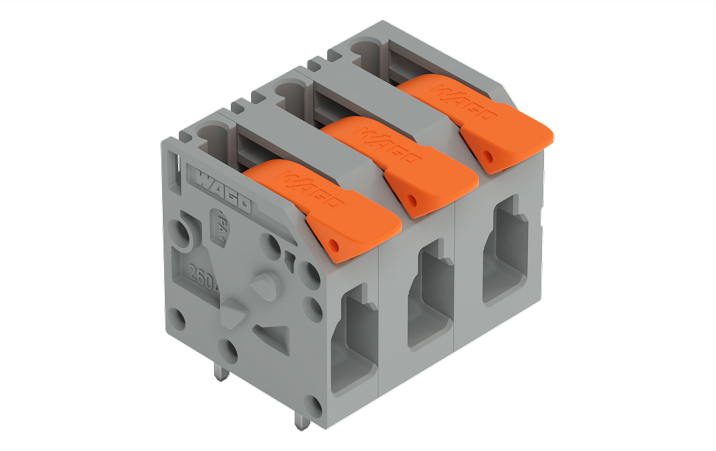
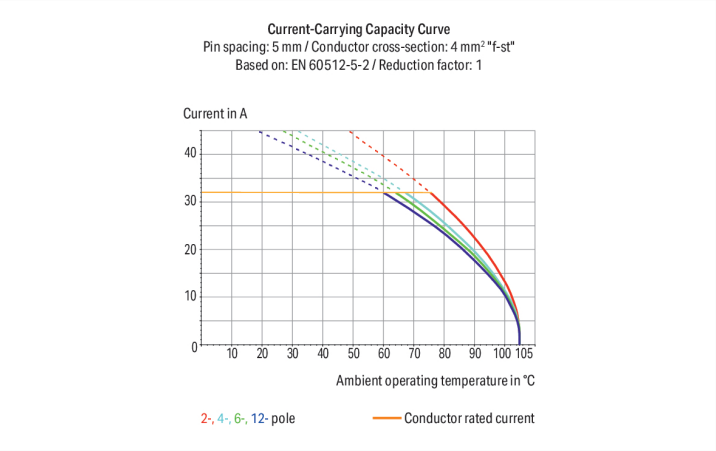
# Data Sheet | Item Number: 2604-1303

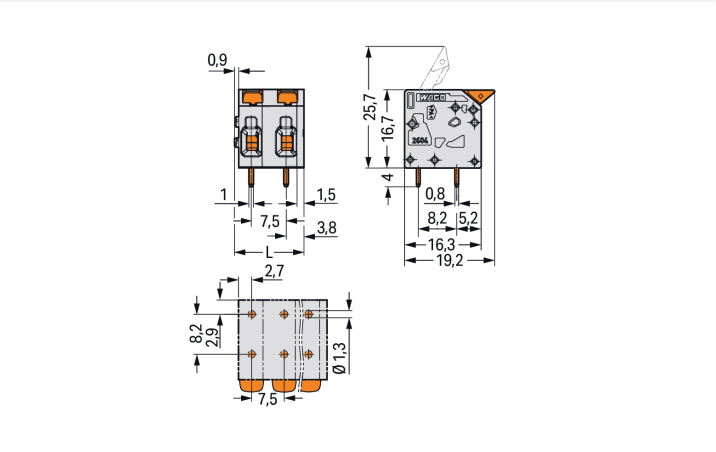
PCB terminal block; lever; 4 mm²; Pin spacing 7.5 mm; 3-pole; Push-in CAGE CLAMP®; gray

https://www.wago.com/2604-1303






Color: gray




Dimensions in mm
L = (pole no. – 1) x pin spacing + 7.4 mm

PCB terminal block, 2604 Series, Push-in CAGE CLAMP®

Our PCB terminal block (item number 2604-1303) simplifies electrical installations. It offers the flexibility needed for different mounting types. Strip lengths must be between 9 and 11 mm when connecting conductors to this PCB terminal block. This product incorporates 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. Dimensions: (22.4 x 20.7 x 19.2) mm (width x height x depth). This PCB terminal block is suitable for conductor cross sections ranging from 0.2 mm² to 4 mm². The contact surface is coated with tin. This PCB terminal block is operated with a lever. THT is used to assemble the PCB terminal block. Insert the conductor at an angle of 0°..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## 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 | 630 V | 1000 V | 1000 V |
| Rated impulse withstand voltage | 6 kV | 6 kV | 6 kV |
| Rated current | 32 A | 32 A | 32 A |

| Approvals per | UL 1059 | | |
|---|---|---|---|
| Use group | B | C | D |
| Rated voltage | 300 V | 300 V | 600 V |
| Rated current | 20 A | 20 A | 5 A |

| Approvals per | CSA | | |
|---|---|---|---|
| Use group | B | C | D |
| Rated voltage | 300 V | 300 V | 600 V |
| Rated current | 20 A | 20 A | 5 A |

## Connection Data

| | |
|---|---|
| Clamping units | 3 |
| Total number of potentials | 3 |
| Number of connection types | 1 |
| Number of levels | 1 |

| Connection 1 | |
|---|---|
| Connection technology | Push-in CAGE CLAMP® |
| Actuation type | Lever |
| Solid conductor | 0.2 … 4 mm² / 24 … 12 AWG |
| Fine-stranded conductor | 0.2 … 4 mm² / 24 … 12 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.25 … 2.5 mm² |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 … 2.5 mm² |
| Fine-stranded conductor; with twin ferrule | 0.25 … 1.5 mm² |
| Strip length | 9 … 11 mm / 0.35 … 0.43 inches |
| Conductor connection direction to PCB | 0 ° |
| Pole number | 3 |

## Physical data

| | |
|---|---|
| Pin spacing | 7.5 mm / 0.295 inches |
| Width | 22.4 mm / 0.882 inches |
| Height | 20.7 mm / 0.815 inches |
| Height from the surface | 16.7 mm / 0.657 inches |
| Depth | 19.2 mm / 0.756 inches |
| Solder pin length | 4 mm |
| Solder pin dimensions | 0.8 x 1 mm |
| Drilled hole diameter | $1.3^{(+0.1)}$ mm |


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## PCB contact

| | |
|---|---|
| PCB contact | THT |
| Solder pin arrangement | over the entire terminal strip (in-line) |
| Number of solder pins per potential | 2 |

## 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 | 0.088 MJ |
| Actuator color | orange |
| Weight | 5.5 g |

## Environmental requirements

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

## Commercial data

| | |
|---|---|
| PU (SPU) | 90 pcs |
| Packaging type | Box |
| Country of origin | PL |
| GTIN | 4066966388626 |
| 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 |


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## Approvals / Certificates

### General approvals

| Approval | Standard | Certificate Name |
|---|---|---|
| CB<br>DEKRA Certification B.V. | IEC 60947-7-4 | NL-61583 |
| KEMA/KEUR<br>DEKRA Certification B.V. | EN 60947-7-4 | 71-100535 |
| UL<br>Underwriters Laboratories Inc. | UL 1059 | E45172 |

### Approvals for hazardous areas

| Approval | Standard | Certificate Name |
|---|---|---|
| AEx<br>Underwriters Laboratories Inc. | UL 60079 | E185892 |
| ATEX<br>Physikalisch Technische Bundesanstalt | IEC 60079 | PTB 24 ATEX 1005 U |
| IECEx<br>Physikalisch Technische Bundesanstalt | IEC 60079 | IECEx PTB 24.0016U |

## Downloads

### Environmental Product Compliance

#### Compliance Search

Environmental Product Compliance 2604-1303

## 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 2604-1303

#### CAE data

ZUKEN Portal 2604-1303

#### PCB Design

Symbol and Footprint via SamacSys 2604-1303

Symbol and Footprint via Ultra Librarian 2604-1303


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# 1 Compatible Products

## 1.1 Optional Accessories

### 1.1.1 Ferrule

#### 1.1.1.1 Ferrule



Item No.: 216-241
Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white



Item No.: 216-242
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



Item No.: 216-243
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.: 216-244
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.: 216-246
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.: 216-106
Ferrule; Sleeve for 2.5 mm² / AWG 14; 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.


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