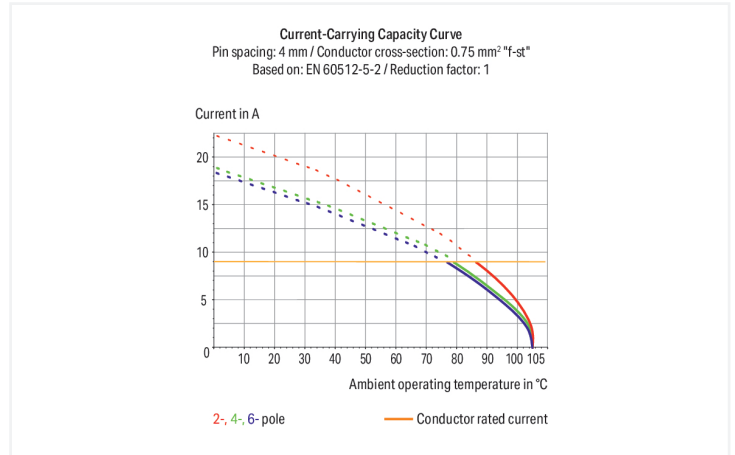


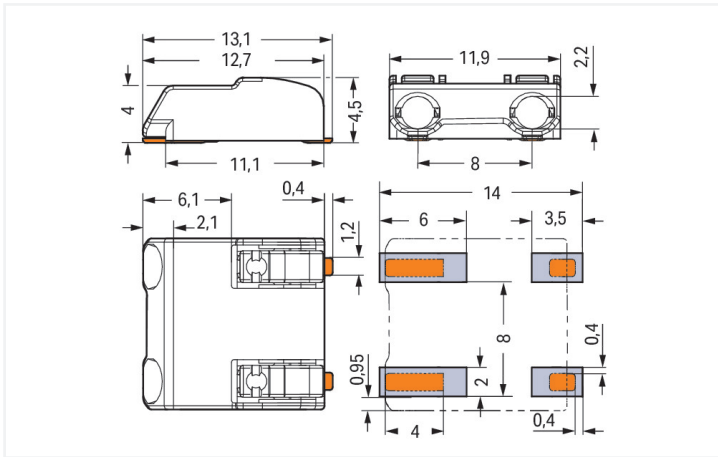
# Data Sheet | Item Number: 2060-852/998-404

SMD PCB terminal block; push-button; 0.75 mm<sup>2</sup>; Pin spacing 8 mm; 2-pole; Push-in CAGE CLAMP®; in tape-and-reel packaging; white

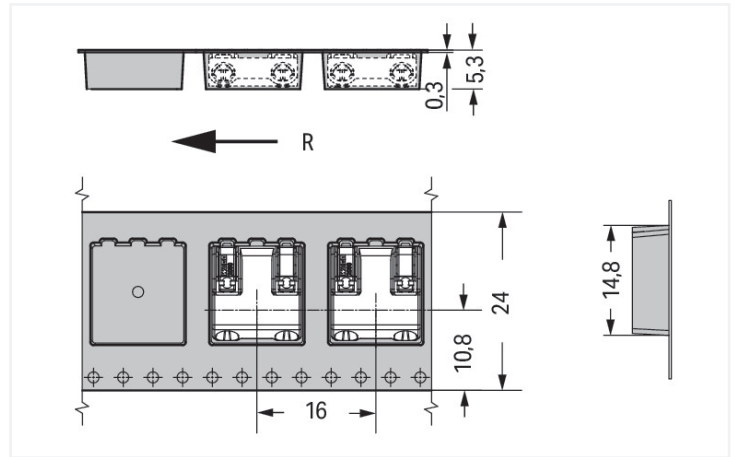
<https://www.wago.com/2060-852/998-404>



Color: ■ white



Dimensions in mm



Dimensions in mm  
R = feed direction

## PCB terminal block, 2060 Series, white

This PCB terminal block (item number 2060-852/998-404) is designed for simple and secure connections. You can count on trusted safety with these PCB terminal blocks, perfect for a wide range of applications when designing your devices. Ensure that the strip lengths are between 7 and 9 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, featuring a winning design: It allows direct insertion of both solid and fine-stranded conductors with ferrules without needing tools. No preparation is required; for example, crimping the conductor's ferrule is not necessary. Dimensions: (11.9 x 4.5 x 13.1) 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 mm<sup>2</sup> to 0.75 mm<sup>2</sup>.

Tin is used for coating the contact surfaces. This PCB terminal block is operated with a push-button. The PCB terminal block is designed for SMD soldering. Insert the conductor at an angle of 0°.

## Notes

## Note

## Application notes:

Suitable for lead-free, reflow-soldering profiles per DIN EN 61760-1 and IEC 60068-2-58 up to max. 260°C peak temperature. Due to application-specific variables (component configuration and orientation, type of soldering machine, solder paste), trial runs are recommended to ensure product and process compatibility under actual manufacturing conditions.

Depending on reflow soldering temperatures and times, color deviations may occur. These deviations will have no impact on functionality.

## Recommendation

## Recommendation for stencil:

150 µm material thickness; Pattern layout identical to solder pad layout

## Electrical data

| Ratings per                     | IEC/EN 60664-1 |       |        |
|---------------------------------|----------------|-------|--------|
|                                 | III            | III   | II     |
| Overvoltage category            | III            | III   | II     |
| Pollution degree                | 3              | 2     | 2      |
| Nominal voltage                 | 400 V          | 630 V | 1000 V |
| Rated impulse withstand voltage | 6 kV           | 6 kV  | 6 kV   |
| Rated current                   | 9 A            | 9 A   | 9 A    |

## Ratings

|               |         |
|---------------|---------|
| Approvals per | UL 1977 |
| Rated voltage | 600 V   |
| Rated current | 9 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                                    | Push-button                                  |
| Solid conductor                                   | 0.2 ... 0.75 mm <sup>2</sup> / 24 ... 18 AWG |
| Fine-stranded conductor                           | 0.2 ... 0.75 mm <sup>2</sup> / 24 ... 18 AWG |
| Fine-stranded conductor; with insulated ferrule   | 0.25 ... 0.34 mm <sup>2</sup>                |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 ... 0.34 mm <sup>2</sup>                |
| Strip length                                      | 7 ... 9 mm / 0.28 ... 0.35 inches            |
| Conductor connection direction to PCB             | 0°   |
| Pole number                                       | 2  |

## Physical data

|  |                        |
|--|------------------------|
| Pin spacing                              | 8 mm / 0.314 inches    |
| Width                                    | 11.9 mm / 0.469 inches |
| Height                                   | 4.5 mm / 0.177 inches  |
| Depth                                    | 13.1 mm / 0.516 inches |
| Reel diameter of tape-and-reel packaging | 330 mm                 |
| Tape width                               | 24 mm                  |

## PCB contact

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

### Material data

|                                    |  |
|------------------------------------|--|
| Note (material data)               | <a href="#">Information on material specifications can be found here</a> |
| Color                              | white  |
| Material group                     | I  |
| Insulation material (main housing) | Polyphthalamide (PPA GF)   |
| Flammability class per UL94        | V0   |
| Clamping spring material           | Copper alloy   |
| Contact material                   | Copper alloy   |
| Contact Plating                    | Tin  |
| Fire load                          | 0.011 MJ   |
| Weight                             | 0.6 g  |
| MSL per J-STD 020D                 | 1  |

### Environmental requirements

|                         |                 |
|-------------------------|-----------------|
| Limit temperature range | -60 ... +105 °C |
|-------------------------|-----------------|

### Commercial data

|                       |                   |
|-----------------------|-------------------|
| Product Group         | 33 (SMT Terminal) |
| PU (SPU)              | 6750 (750) pcs    |
| Packaging type        | Box               |
| Country of origin     | CH                |
| GTIN                  | 4055143135092     |
| Customs tariff number | 85369010000       |

### Product Classification

|             |                      |
|-------------|----------------------|
| UNSPSC      | 39121409             |
| eCl@ss 10.0 | 27-14-11-06          |
| eCl@ss 9.0  | 27-14-11-06          |
| ETIM 9.0    | EC001284             |
| ETIM 10.0   | EC001284             |
| ECCN        | NO US CLASSIFICATION |

### Environmental Product Compliance

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

### Approvals / Certificates

#### General approvals



#### General approvals

|   |              |           |
|---|--------------|-----------|
| KEMA/KEUR<br>DEKRA Certification B.V.   | EN 60998     | 71-109040 |
| KEMA/KEUR<br>DEKRA Certification B.V.   | EN 60947-7-4 | 71-114208 |
| UL<br>Underwriters Laboratories<br>Inc. | UL 1059      | E45172    |

| Approval                                   | Standard | Certificate Name |
|--|----------|------------------|
| CCA<br>DEKRA Certification B.V.            | EN 60838 | NTR NL 2168246   |
| cURus<br>Underwriters Laboratories<br>Inc. | UL 1977  | E45171           |
| KEMA/KEUR<br>DEKRA Certification B.V.      | EN 60838 | 2168246.01       |
| KEMA/KEUR<br>DEKRA Certification B.V.      | EN 60947 | 71-108183        |

**Declarations of conformity and manufacturer's declarations**

| Approval   | Standard | Certificate Name |
|--|----------|------------------|
| EU-Declaration of Conformity<br>WAGO GmbH & Co. KG | -        | -                |
| UK-Declaration of Conformity<br>WAGO GmbH & Co. KG | -        | -                |

**Downloads**

**Environmental Product Compliance**

| Compliance Search  |
|--|
| Environmental Product Compliance<br>2060-852/998-404 <a href="#">↓</a> |

**Documentation**

| Additional Information  |
|---|
| Technical Section<br>03.04.2019 pdf<br>2027.26 KB <a href="#">↓</a> |

**CAD/CAE-Data**

| CAD data   |
|--|
| 2D/3D Models<br>2060-852/998-404 <a href="#">↓</a> |

| CAE data   |
|--|
| ZUKEN Portal<br>2060-852/998-404 <a href="#">↓</a> |

**PCB Design**

|   |
|---|
| Symbol and Footprint<br>via SamacSys<br>2060-852/998-404 <a href="#">↓</a>        |
| Symbol and Footprint<br>via Ultra Librarian<br>2060-852/998-404 <a href="#">↓</a> |

**1 Compatible Products**

**1.1 Optional Accessories**

**1.1.1 Board-to-board link**

**1.1.1.1 Board-to-board link**



**Item No.: 2060-962/028-000**  
Board-to-Board Link; Pin spacing 8 mm; 2-pole; Length: 28 mm; white

### 1.1.2 Ferrule

#### 1.1.2.1 Ferrule



**Item No.: 216-301**

Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; insulated; electro-tin plated; yellow

**Item No.: 216-131**

Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; uninsulated; electro-tin plated; silver-colored

**Item No.: 216-302**

Ferrule; Sleeve for 0.34 mm<sup>2</sup> / 22 AWG; insulated; electro-tin plated; light turquoise

**Item No.: 216-132**

Ferrule; Sleeve for 0.34 mm<sup>2</sup> / AWG 24; uninsulated; electro-tin plated

### 1.1.3 Tool

#### 1.1.3.1 Operating tool



**Item No.: 206-860**

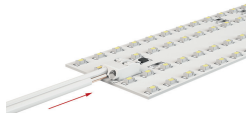
Operating tool; for 2060 Series; multicoloured

**Item No.: 2060-189**

Operating tool; made of insulating material; for 2060 Series; white

## Installation Notes

### Conductor termination



Insert solid conductors via push-in termination.

### Conductor termination



Insert/remove fine-stranded conductors by lightly pressing on push-button, e.g., via optional operating tool (206-860).