

## Data sheet | Item number: 250-406

PCB terminal block; Push-button; 0.5 mm<sup>2</sup>; Pin spacing 2.5 mm; 6-pole; Push-in CAGE CLAMP®



[www.wago.com/250-406](http://www.wago.com/250-406)



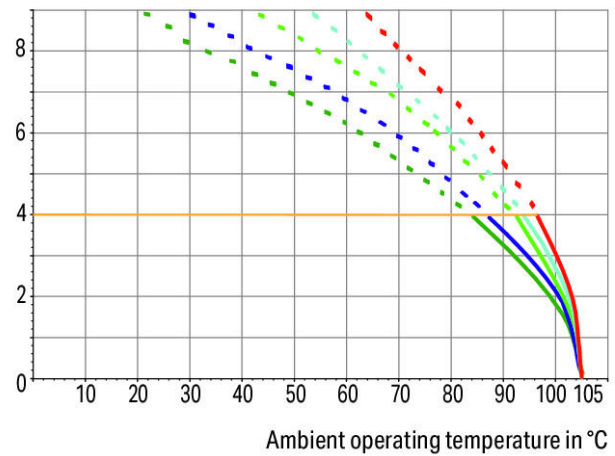
RoHS  
Compliant



Color: ■

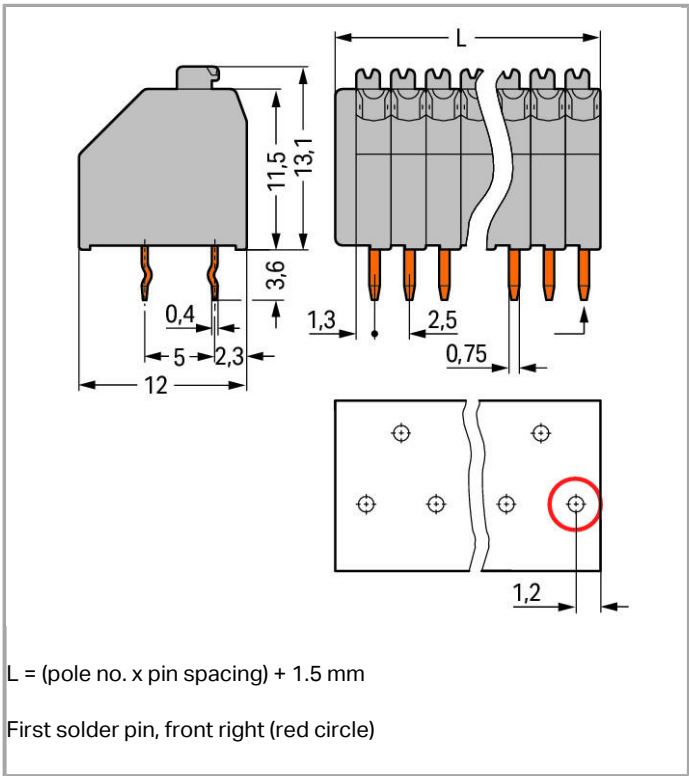
**Current-Carrying Capacity Curve**  
Pin spacing: 2.5 mm / Conductor cross-section: 0.5 mm<sup>2</sup> "f-st"  
Based on: EN 60512-5-2 / Reduction factor: 1

Current in A



2-, 4-, 6-, 12-, 24-pole

— Conductor rated current



Item description

- Compact terminal strips with push-buttons
- Push-in termination for solid conductors
- Termination/removal of fine-stranded conductors via push-buttons
- 45° conductor entry angle provides easy, space-saving wiring
- Custom color combinations
- Terminal strips also available with spacers upon request

Other variants can be requested via the WAGO sales department or, if necessary, configured at <https://configurator.wago.com/>: Direct marking, Mixed-color terminal strips, Other colors, Other pole numbers, Terminal strips with spacers

Data

Electrical data

Ratings per IEC/EN 60664-1

|                                 |        |
|---------------------------------|--------|
| Rated voltage (III / 3)         | 160 V  |
| Rated impulse voltage (III / 3) | 2.5 kV |
| Rated voltage (III / 2)         | 160 V  |
| Rated impulse voltage (III / 2) | 2.5 kV |
| Rated voltage (II / 2)          | 320 V  |
| Rated impulse voltage (II / 2)  | 2.5 kV |



|                  |                                                                   |
|------------------|-------------------------------------------------------------------|
| Rated current    | 4 A                                                               |
| Legend (ratings) | (III / 2) $\hat{=}$ Overvoltage category III / Pollution degree 2 |

### Approvals per UL 1059

|                                |       |
|--------------------------------|-------|
| Rated voltage UL (Use Group B) | 300 V |
| Rated current UL (Use Group B) | 5 A   |
| Rated voltage UL (Use Group D) | 300 V |
| Rated current UL (Use Group D) | 5 A   |

### Approvals per CSA

|                                 |       |
|---------------------------------|-------|
| Rated voltage CSA (Use Group B) | 300 V |
| Rated current CSA (Use Group B) | 5 A   |
| Rated voltage CSA (Use Group D) | 300 V |
| Rated current CSA (Use Group D) | 5 A   |

### Connection data

|                                   |                                              |
|-----------------------------------|----------------------------------------------|
| Connection technology             | Push-in CAGE CLAMP®                          |
| Actuation type                    | Push-button                                  |
| Solid conductor                   | 0.14 ... 0.5 mm <sup>2</sup> / 24 ... 20 AWG |
| Fine-stranded conductor           | 0.2 ... 0.5 mm <sup>2</sup> / 24 ... 20 AWG  |
| Conductor diameter                | 0.4 ... 0.8 mm / 24 ... 20 AWG               |
| Strip length                      | 8.5 ... 9.5 mm / 0.33 ... 0.37 Inch          |
| Conductor entry angle to the PCB  | 45°                                          |
| No. of poles                      | 6                                            |
| Total number of connection points | 6                                            |
| Total number of potentials        | 6                                            |
| Number of connection types        | 1                                            |
| Number of levels                  | 1                                            |

### Geometrical Data

|                                   |                         |
|-----------------------------------|-------------------------|
| Pin spacing                       | 2.5 mm (0.098 inch)     |
| Width                             | 16.5 mm / 0.65 inch     |
| Height                            | 16.7 mm / 0.657 inch    |
| Height from the surface           | 13.1 mm / 0.516 inch    |
| Depth                             | 12 mm / 0.472 inch      |
| Solder pin length                 | 3.6 mm                  |
| Solder pin dimensions             | 0.4 x 0.75 mm           |
| Drilled hole diameter (tolerance) | 1 <sup>(+ 0.1)</sup> mm |

## PCB contact

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

## Material Data

|                             |                      |
|-----------------------------|----------------------|
| Color                       | gray                 |
| Material group              | I                    |
| Insulating material         | Polyamide 66 (PA 66) |
| Flammability class per UL94 | V0                   |
| Clamping spring material    | Copper alloy         |
| Contact plating             | tin-plated           |
| Fire load                   | 0.048 MJ             |
| Weight                      | 2.277 g              |

## Environmental Requirements

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

## Approvals / Certificates

### Country specific Approvals

| Logo                                                                               | Approval                              | Certificate name |
|------------------------------------------------------------------------------------|---------------------------------------|------------------|
|  | CCA<br>DEKRA Certification B.V.       | NTR NL-7100      |
|  | CCA<br>DEKRA Certification B.V.       | 2188127.01       |
|  | CCA<br>DEKRA Certification B.V.       | NTR NL-7449      |
|  | CSA<br>DEKRA Certification B.V.       | 1132097          |
|  | CSA<br>DEKRA Certification B.V.       | 1132097          |
|                                                                                    | KEMA/KEUR<br>DEKRA Certification B.V. | 71-105258        |



**KEMA/KEUR**  
DEKRA Certification B.V.

2160584.18



**VDE**  
VDE Prüf- und Zertifizierungsinstitut

40028888

#### Ship Approvals

| Logo                                                                              | Approval                                                | Certificate name |
|-----------------------------------------------------------------------------------|---------------------------------------------------------|------------------|
|   | <b>ABS</b><br>American Bureau of Shipping               | 14-HG1241537-PDA |
|  | <b>DNV GL</b><br>Det Norske Veritas, Germanischer Lloyd | TAE000016Z       |

#### UL-Approvals

| Logo                                                                               | Approval                                   | Certificate name |
|------------------------------------------------------------------------------------|--------------------------------------------|------------------|
|  | <b>UL</b><br>UL International Germany GmbH | E45172 sec. 6    |
|  | <b>UL</b><br>UL International Germany GmbH | E45172 sec. 6    |

Subject to changes.