

Data sheet | Item number: 250-404/350-604

THR PCB terminal block; Push-button; 0.5 mm<sup>2</sup>; Pin spacing 2.5 mm; 4-pole;  
Push-in CAGE CLAMP®



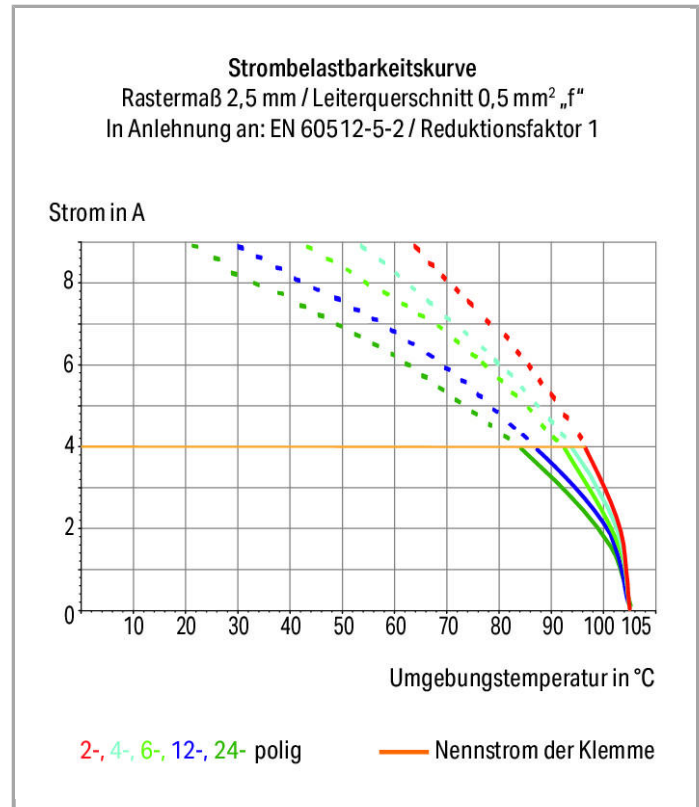
[www.wago.com/250-404/350-604](http://www.wago.com/250-404/350-604)

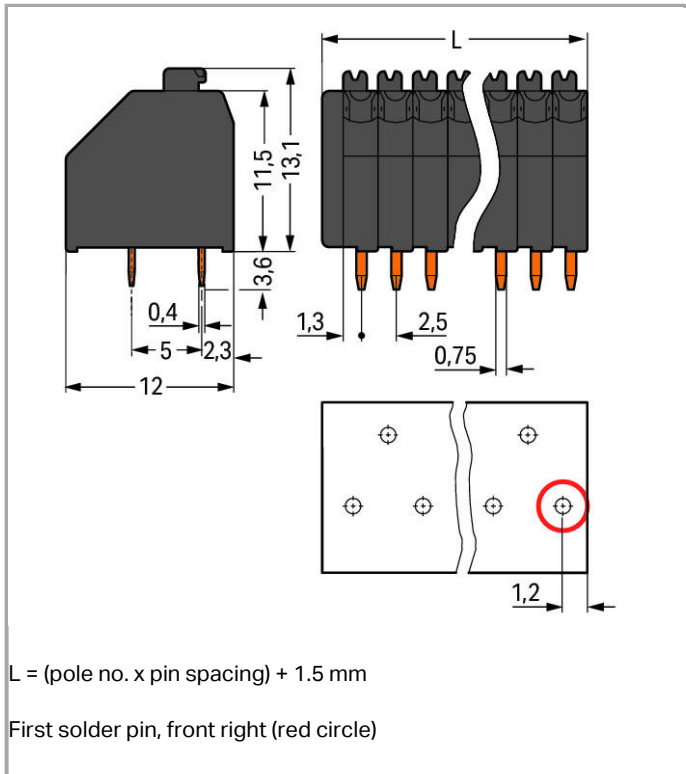


RoHS  Compliant

BOMcheck.net

Color: ■





### Item description

- Cost-effective integration of high-temperature resistant THR terminal strips into SMT reflow soldering processes
- Push-in termination of solid and ferruled conductors
- Termination/removal of fine-stranded conductors via push-buttons
- 45° conductor entry angle provides easy, space-saving wiring

Other variants can be requested via the WAGO sales department or, if necessary, configured at <https://configurator.wago.com/>: Direct marking, Other pole numbers

### 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)          | 250 V   |
| Rated impulse voltage (II / 2)  | 2.5 kV  |
| Rated current                   | 4 A   |
| Legend (ratings)                | (III / 2) ≙ 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                               |
| Strip length                      | 8.5 ... 9.5 mm / 0.33 ... 0.37 Inch          |
| Conductor entry angle to the PCB  | 45°  |
| No. of poles                      | 4  |
| Total number of connection points | 4  |
| Total number of potentials        | 4  |
| Number of connection types        | 1  |
| Number of levels                  | 1  |

## Geometrical Data

|                                    |                        |
|------------------------------------|------------------------|
| Pin spacing                        | 2.5 mm (0.098 inch)    |
| Width                              | 11.5 mm / 0.453 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                  | 2.4 mm                 |
| Solder pin dimensions              | 0.4 x 0.75 mm          |
| Plated through-hole diameter (THR) | 1 <sup>(+0.1)</sup> mm |

## PCB contact

|                        |   |
|------------------------|---|
| PCB contact            | THR                                       |
| Solder pin arrangement | over the entire terminal strip, staggered |

|                                     |   |
|-------------------------------------|---|
| Number of solder pins per potential | 1 |
|-------------------------------------|---|

## Material Data

|                             |                      |
|-----------------------------|----------------------|
| Color                       | black                |
| Material group              | III a                |
| Insulating material         | Polyamide 46 (PA 46) |
| Flammability class per UL94 | V2                   |
| Clamping spring material    | Copper alloy         |
| Contact plating             | tin-plated           |
| Fire load                   | 0.034 MJ             |
| Weight                      | 1.671 g              |

## Environmental Requirements

|                         |                 |
|-------------------------|-----------------|
| Limit temperature range | -60 ... +115 °C |
|-------------------------|-----------------|

## Commercial data

|                    |                     |
|--------------------|---------------------|
| Country of origin  | CH                  |
| GTIN               | 4044918642897       |
| Customs Tariff No. | 85369010000         |
| Product Group      | 4 (Printed Circuit) |

## Approvals / Certificates

### Country specific Approvals

| Logo   | Approval                        | Certificate name |
|--|---------------------------------|------------------|
|  | CSA<br>DEKRA Certification B.V. | 1132097          |

### UL-Approvals

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

## Compatible products

check





Item no.: 735-500

Test pin; with solder connection for test wire

[www.wago.com/735-500](http://www.wago.com/735-500)

tools

|  |   |  |
|--|---|--|
|  | <b>Item no.: 210-647</b><br>Operating tool with partially insulated shaft; Blade (2.5 x 0.4) mm; short  | <a href="http://www.wago.com/210-647">www.wago.com/210-647</a> |
|  | <b>Item no.: 210-719</b><br>Operating tool with partially insulated shaft; Type 1, blade (2.5 x 0.4) mm | <a href="http://www.wago.com/210-719">www.wago.com/210-719</a> |

Marking accessories

|  |  |  |
|--|--|--|
|  | <b>Item no.: 210-331/250-202</b><br>Marking strips; as a DIN A4 sheet; MARKED; 1-16 (400x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive  | <a href="http://www.wago.com/210-331/250-202">www.wago.com/210-331/250-202</a> |
|  | <b>Item no.: 210-331/250-204</b><br>Marking strips; as a DIN A4 sheet; MARKED; 17-32 (400x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive | <a href="http://www.wago.com/210-331/250-204">www.wago.com/210-331/250-204</a> |
|  | <b>Item no.: 210-331/250-206</b><br>Marking strips; as a DIN A4 sheet; MARKED; 33-48 (400x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive | <a href="http://www.wago.com/210-331/250-206">www.wago.com/210-331/250-206</a> |
|  | <b>Item no.: 210-331/250-207</b><br>Marking strips; as a DIN A4 sheet; MARKED; 1-48 (100x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive  | <a href="http://www.wago.com/210-331/250-207">www.wago.com/210-331/250-207</a> |

Downloads

smartDATA

PCB libraries

|   |                      |                |          |
|---|----------------------|----------------|----------|
| TARGET Library for WAGO PCB Terminal Blocks<br>Compatible with TARGET PCB Design Software Version 17.x        | 1.1.0<br>Oct 6, 2014 | ZIP<br>27.1 MB | Download |
| DesignSpark Library for WAGO PCB Terminal Blocks<br>Compatible with DesignSpark PCB Version 4.x or higher     | 2.1<br>Oct 6, 2014   | ZIP<br>22.5 MB | Download |
| EAGLE Library for WAGO PCB Terminal Blocks<br>Compatible with EAGLE PCB Design Software Version 6.x or higher | 2.1<br>Nov 17, 2017  | ZIP<br>23.9 MB | Download |

CAD data

|                             |     |          |
|-----------------------------|-----|----------|
| 3D Download 250-404/350-604 | URL | Download |
|-----------------------------|-----|----------|

Subject to changes.