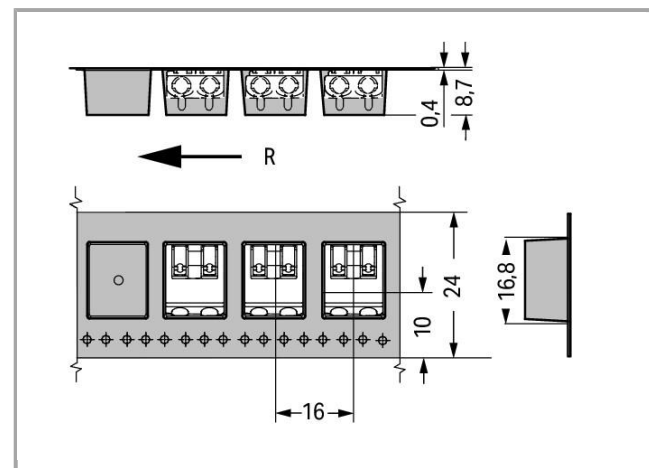
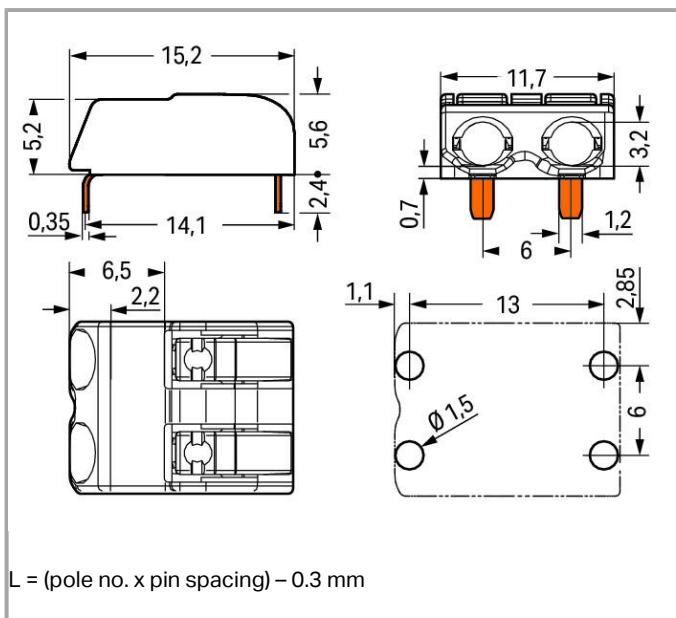
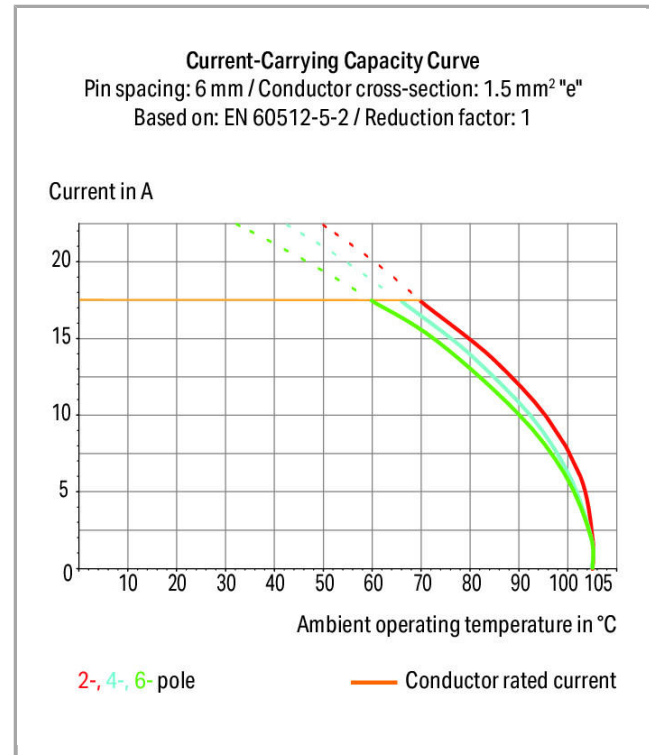


# Data sheet | Item number: 2061-1602/998-404

THR PCB terminal block; push-button; 1.5 mm<sup>2</sup>; Pin spacing 6 mm; 2-pole;  
Push-in CAGE CLAMP®; in tape-and-reel packaging; 1,50 mm<sup>2</sup>; white

[www.wago.com/2061-1602/998-404](http://www.wago.com/2061-1602/998-404)





### Item description

- THR PCB terminal blocks with push-buttons and Push-in CAGE CLAMP® connection
- Push-in termination of solid and ferruled conductors
- Push-buttons simplify insertion/removal of all conductor types
- Just 5.6 mm tall
- Available in tape-and-reel packaging for automated assembly
- Also suitable for wave soldering
- Assemble terminal blocks without pole loss

### Note:

#### Application note:

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 customer-specific variables (e.g., component configuration and orientation, type of soldering machine, solder paste), trial runs are recommended to ensure product and process compatibility under actual manufacturing conditions.

### Recommendation:

#### Recommendation for stencil:

150 µm material thickness

The stencil hole diameter is identical to the outer diameter of the metal-plated PCB hole.

### Data

#### Electrical data



## Ratings per IEC/EN 60664-1

|                                 |        |
|---------------------------------|--------|
| Rated voltage (III / 3)         | 250 V  |
| Rated impulse voltage (III / 3) | 4 kV   |
| Rated voltage (III / 2)         | 320 V  |
| Rated impulse voltage (III / 2) | 4 kV   |
| Rated voltage (II / 2)          | 630 V  |
| Rated impulse voltage (II / 2)  | 4 kV   |
| Rated current                   | 17.5 A |

## Approvals per UL 1059

|                                |       |
|--------------------------------|-------|
| Rated voltage UL (Use Group B) | 300 V |
| Rated current UL (Use Group B) | 10 A  |
| Rated voltage UL (Use Group D) | 300 V |
| Rated current UL (Use Group D) | 10 A  |

## Connection data

|                                                             |                                  |
|-------------------------------------------------------------|----------------------------------|
| Connection technology                                       | Push-in CAGE CLAMP®              |
| Actuation type                                              | Push-button                      |
| Solid conductor                                             | 0.5 ... 1.5 mm² / 20 ... 16 AWG  |
| Fine-stranded conductor                                     | 0.5 ... 1.5 mm² / 20 ... 16 AWG  |
| Fine-stranded conductor with ferrule with plastic collar    | 0.5 ... 0.75 mm²                 |
| Fine-stranded conductor with ferrule without plastic collar | 0.5 ... 0.75 mm²                 |
| Strip length                                                | 7 ... 10 mm / 0.28 ... 0.39 inch |
| Conductor entry angle to the PCB                            | 0°                               |
| Total number of connection points                           | 2                                |
| Total number of potentials                                  | 2                                |
| Number of connection types                                  | 1                                |
| Number of levels                                            | 1                                |
| No. of poles                                                | 2                                |

## Geometrical Data

|                                          |                      |
|------------------------------------------|----------------------|
| Pin spacing                              | 6 mm / 0.24 inch     |
| Width                                    | 11.7 mm / 0.461 inch |
| Height                                   | 8 mm / 0.315 inch    |
| Height from the surface                  | 5.6 mm / 0.22 inch   |
| Depth                                    | 15.2 mm / 0.598 inch |
| Solder pin length                        | 2.4 mm               |
| Solder pin dimensions                    | 1.2 x 0.35 mm        |
| Reel diameter of tape-and-reel packaging | 330 mm               |
| Tape width                               | 24 mm                |

## PCB contact

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

## Material Data

|                             |                                   |
|-----------------------------|-----------------------------------|
| Color                       | white                             |
| Material group              | I                                 |
| Insulating material         | Polyphthalamide (PPA GF)          |
| Flammability class per UL94 | V0                                |
| Clamping spring material    | Chrome nickel spring steel (CrNi) |
| Contact material            | Copper alloy                      |
| Contact plating             | tin-plated                        |
| Weight                      | 1.067 g                           |

## Environmental Requirements

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

## Commercial data

|                    |               |
|--------------------|---------------|
| Country of origin  | CN            |
| GTIN               | 4055143274692 |
| Customs Tariff No. | 85369010000   |

## Approvals / Certificates

### Country specific Approvals

| Logo                                                                               | Approval                              | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|---------------------------------------|--------------------------|------------------|
|  | CCA<br>DEKRA Certification B.V.       | EN 60947-7-4             | NTR NL-7459      |
|  | CCA<br>DEKRA Certification B.V.       | EN 60838                 | NTR NL-7721      |
|  | KEMA/KEUR<br>DEKRA Certification B.V. | EN 60947-7-4             | 71-100855        |
|                                                                                    | KEMA/KEUR<br>DEKRA Certification B.V. | EN 60838                 | 71-106232        |



## UL-Approvals

| Logo                                                                             | Approval                                | Additional Approval Text | Certificate name |
|----------------------------------------------------------------------------------|-----------------------------------------|--------------------------|------------------|
|  | cURus<br>Underwriters Laboratories Inc. | UL 1059                  | E45172           |

## Compatible products

### ferrule

|                                                                                    |                                                                                                                                                                                            |                                                                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|    | <b>Item no.: 216-101</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / AWG 22; uninsulated; electro-tin plated                                                                              | <a href="http://www.wago.com/216-101">www.wago.com/216-101</a> |
|   | <b>Item no.: 216-102</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / AWG 20; uninsulated; electro-tin plated                                                                             | <a href="http://www.wago.com/216-102">www.wago.com/216-102</a> |
|  | <b>Item no.: 216-141</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92      | <a href="http://www.wago.com/216-141">www.wago.com/216-141</a> |
|  | <b>Item no.: 216-142</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92     | <a href="http://www.wago.com/216-142">www.wago.com/216-142</a> |
|  | <b>Item no.: 216-201</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; insulated; electro-tin plated; white                                                                         | <a href="http://www.wago.com/216-201">www.wago.com/216-201</a> |
|  | <b>Item no.: 216-202</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; gray                                                                         | <a href="http://www.wago.com/216-202">www.wago.com/216-202</a> |
|  | <b>Item no.: 216-241</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white | <a href="http://www.wago.com/216-241">www.wago.com/216-241</a> |
|  | <b>Item no.: 216-242</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray | <a href="http://www.wago.com/216-242">www.wago.com/216-242</a> |
|  | <b>Item no.: 216-262</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray | <a href="http://www.wago.com/216-262">www.wago.com/216-262</a> |

### tools

|                                                                                    |                                                                                           |                                                                  |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------|
|  | <b>Item no.: 2061-189</b><br>Operating tool; made of insulating material; for 2061 Series | <a href="http://www.wago.com/2061-189">www.wago.com/2061-189</a> |
|  | <b>Item no.: 206-861</b><br>Operating tool; for 2061 Series                               | <a href="http://www.wago.com/206-861">www.wago.com/206-861</a>   |



Downloads  
Documentation

| Additional Information |  |             |               |          |
|------------------------|--|-------------|---------------|----------|
| Technical explanations |  | Apr 3, 2019 | pdf<br>3.6 MB | Download |

CAD/CAE-Data

CAD data

|                               |  |     |          |
|-------------------------------|--|-----|----------|
| 3D Download 2061-1602/998-404 |  | URL | Download |
|-------------------------------|--|-----|----------|

Subject to changes.