

# Data sheet | Item number: 2061-621/998-404

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



2061-621\_998-404

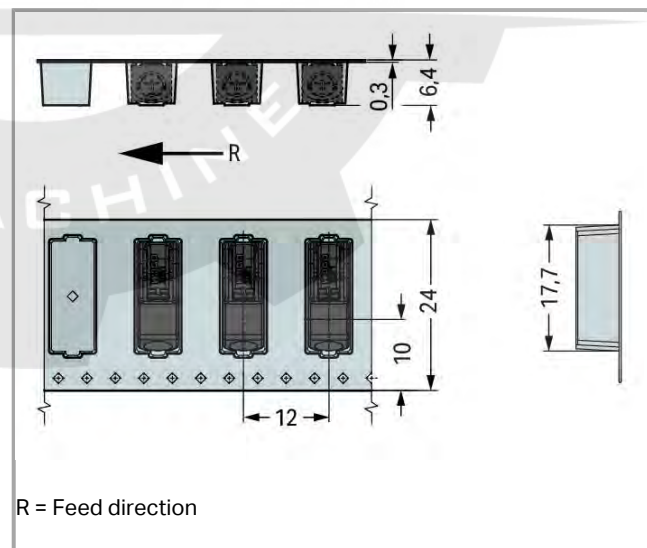
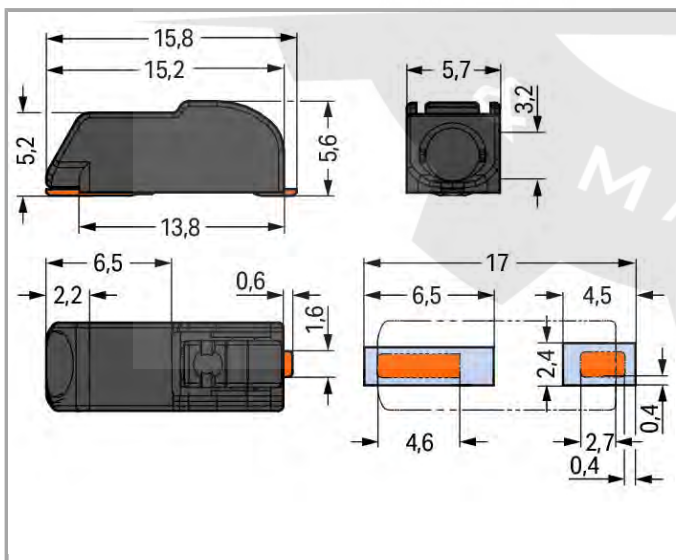
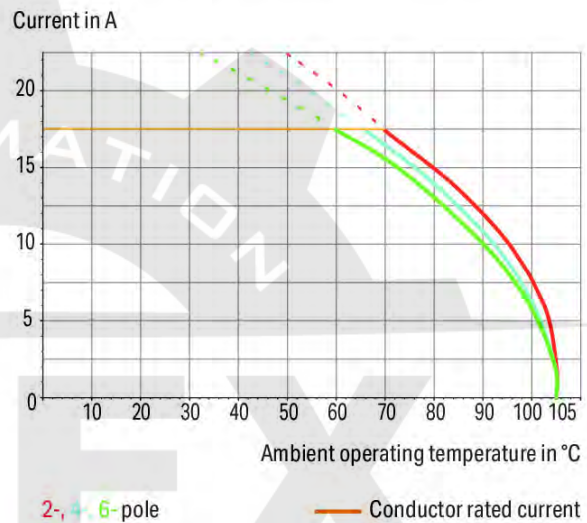


RoHS  
Compliant

BOMcheck.net

Color: ■

**Current-Carrying Capacity Curve**  
Pin spacing: 6 mm / Conductor cross-section: 1.5 mm<sup>2</sup> "e"  
Based on: EN 60512-5-2 / Reduction factor: 1





### Item description

- SMD PCB terminal blocks with Push-in CAGE CLAMP® connection and push-buttons
- Just 5.6 mm tall
- Push-in termination of solid and ferruled conductors
- Push-buttons simplify insertion/removal of all conductor types
- Available in tape-and-reel packaging for automated assembly

### 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 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 SMD stencil:

Material thickness, 150 µm. Pattern layout identical to solder pad layout.

### 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) | 600 V |
| Rated current UL (Use Group B) | 10 A  |
| Rated voltage UL (Use Group D) | 600 V |

### 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                           | 1                   |              |           |
| Total number of potentials                                  | 1                   |              |           |
| Number of connection types                                  | 1                   |              |           |
| Number of levels                                            | 1                   |              |           |
| No. of poles                                                | 1                   |              |           |

### Geometrical Data

|                                          |                      |
|------------------------------------------|----------------------|
| Pin spacing                              | 6 mm / 0.24 inch     |
| Width                                    | 5.7 mm / 0.224 inch  |
| Height                                   | 5.6 mm / 0.22 inch   |
| Height from the surface                  | 5.6 mm / 0.22 inch   |
| Depth                                    | 15.8 mm / 0.622 inch |
| Reel diameter of tape-and-reel packaging | 330 mm               |
| Tape width                               | 24 mm                |

### PCB contact

|             |     |
|-------------|-----|
| PCB contact | SMD |
|-------------|-----|

## Material Data

|                             |                                   |
|-----------------------------|-----------------------------------|
| Color                       | black                             |
| 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                        |
| Fire load                   | 0.008 MJ                          |
| Weight                      | 0.527 g                           |

## Environmental Requirements

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

## Commercial data

|                    |               |
|--------------------|---------------|
| Country of origin  | CN            |
| GTIN               | 4055143251129 |
| Customs Tariff No. | 85369010000   |

## Approvals / Certificates

### Radio-Approvals

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

### 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      |

CCA

|                                                                                  |                                       |              |               |
|----------------------------------------------------------------------------------|---------------------------------------|--------------|---------------|
|  | KEMA/KEUR<br>DEKRA Certification B.V. | EN 60947-7-4 | 71-<br>100855 |
|----------------------------------------------------------------------------------|---------------------------------------|--------------|---------------|

|                                                                                  |                                       |          |               |
|----------------------------------------------------------------------------------|---------------------------------------|----------|---------------|
|  | KEMA/KEUR<br>DEKRA Certification B.V. | EN 60838 | 71-<br>106232 |
|----------------------------------------------------------------------------------|---------------------------------------|----------|---------------|

#### Other Approvals

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

#### 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                                                                          | 216-101 |
|  | <b>Item no.: 216-102</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / AWG 20; uninsulated; electro-tin plated                                                                         | 216-102 |
|  | <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  | 216-141 |
|  | <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 | 216-142 |
|  | <b>Item no.: 216-201</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; insulated; electro-tin plated; white                                                                     | 216-201 |

|                                                                                 |                                                                                                                                                                                            |         |
|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
|  | <b>Item no.: 216-202</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; gray                                                                         | 216-202 |
|  | <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 | 216-241 |
|  | <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 | 216-242 |
|  | <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 | 216-262 |

**General accessories**

|                                                                                  |                                                                                                          |                      |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|----------------------|
|  | <b>Item no.: 2061-901</b><br>Board-to-Board Link; Pin spacing 6 mm; 1-pole; Length: 30 mm; white         | 2061-901             |
|  | <b>Item no.: 2061-901/034-000</b><br>Board-to-Board Link; Pin spacing 6 mm; 1-pole; Length: 34 mm; white | 2061-901<br>/034-000 |

**tools**

|                                                                                   |                                                                                           |          |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------|
|   | <b>Item no.: 2061-189</b><br>Operating tool; made of insulating material; for 2061 Series | 2061-189 |
|  | <b>Item no.: 206-861</b><br>Operating tool; for terminal blocks 2061 series               | 206-861  |

**Downloads****Documentation****Additional Information**

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

**CAD/CAE - Smart Data****CAD data**

|                              |     |          |
|------------------------------|-----|----------|
| 3D Download 2061-621/998-404 | URL | Download |
|------------------------------|-----|----------|

Subject to changes.