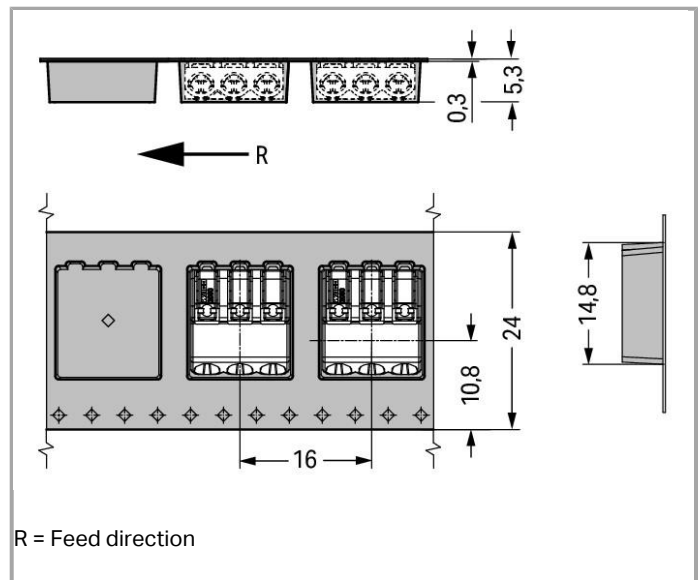
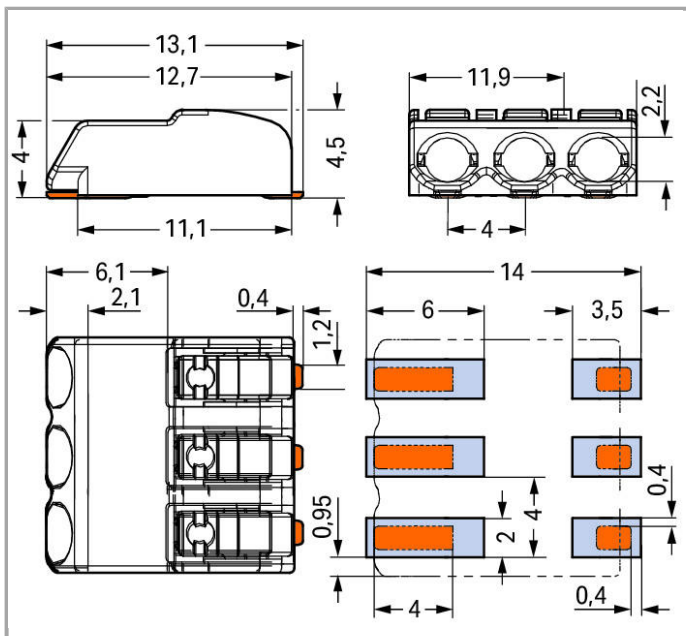
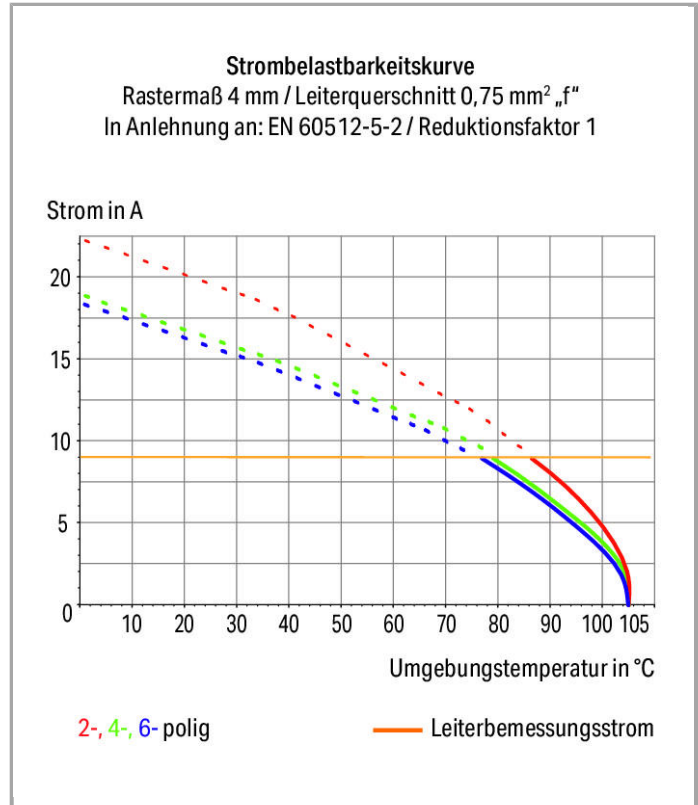
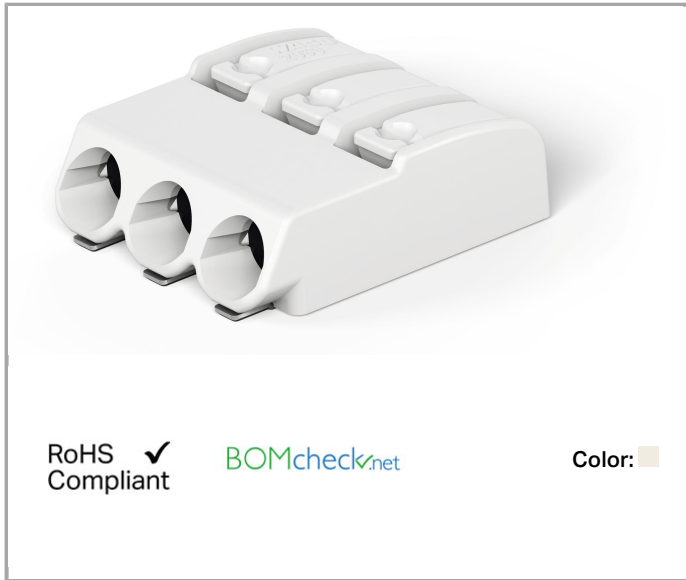


Data sheet | Item number: 2060-453/998-404

SMD PCB terminal block; Push-button; 0.75 mm²; Pin spacing 4 mm; 3-pole;
 Push-in CAGE CLAMP®; in tape-and-reel packaging



www.wago.com/2060-453/998-404





Item description

- SMD PCB terminal blocks with Push-in CAGE CLAMP® connection technology and push-buttons
- Push-in termination of solid and ferruled conductors
- Convenient termination/removal of fine-stranded conductors via push-buttons
- Just 4.5 mm tall
- Available in tape-and-reel packaging for automated assembly

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 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) | 63 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 | 9 A |
| Legend (ratings) | (III / 2) \triangleq Overvoltage category III / Pollution degree 2 |

Connection data

| | |
|---|--|
| Connection technology | Push-in CAGE CLAMP® |
| Actuation type | Push-button |
| Solid conductor | 0.2 ... 0.75 mm ² / 24 ... 18 AWG |
| Fine-stranded conductor | 0.2 ... 0.75 mm ² / 24 ... 18 AWG |
| Fine-stranded conductor with ferrule with plastic collar | 0.25 ... 0.34 mm ² |
| Fine-stranded conductor with ferrule without plastic collar | 0.25 ... 0.34 mm ² |
| Strip length | 7 ... 9 mm / 0.28 ... 0.35 Inch |
| Conductor entry angle to the PCB | 0° |
| No. of poles | 3 |
| Total number of connection points | 3 |
| Total number of potentials | 3 |
| Number of connection types | 1 |
| Number of levels | 1 |

Geometrical Data

| | |
|--|----------------------|
| Pin spacing | 4 mm (0.157 inch) |
| Width | 11.9 mm / 0.469 inch |
| Height | 4.5 mm / 0.177 inch |
| Depth | 13.1 mm / 0.516 inch |
| Reel diameter of tape-and-reel packaging | 330 mm |
| Tape width | 24 mm |

PCB contact

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

Material Data

| | |
|-----------------------------|--------------------------|
| Color | white |
| Material group | I |
| Insulating material | Polyphthalamide (PPA GF) |
| Flammability class per UL94 | V0 |
| Contact material | Copper alloy |
| Contact plating | tin-plated |
| Weight | 1.111 g |

Environmental Requirements






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

Commercial data

| | |
|--------------------|----------------------|
| Country of origin | CH |
| GTIN | 4055143135085 |
| Customs Tariff No. | 85369010000 |
| Product Group | 33 (Printed Circuit) |

Approvals / Certificates

Country specific Approvals



| Logo | Approval | Certificate name |
|--|---------------------------------------|------------------|
|  | CCA DEKRA Certification B.V. | 2193943.01 |
|  | CCA DEKRA Certification B.V. | NTR NL-7419 |
|  | CCA DEKRA Certification B.V. | NTR NL 7525 |
|  | CCA DEKRA Certification B.V. | 2192329.01 |
|  | KEMA/KEUR DEKRA Certification B.V. | 2168246.01 |

UL-Approvals


| Logo | Approval | Certificate name |
|--|---|------------------|
|  | cURus Underwriters Laboratories Inc. | E45171 |

Compatible products





tools

| | | |
|--|--|--|
|  | Item no.: 2060-189 Operating tool; for 2060 Series SMD PCB Terminal Blocks; of insulating material | www.wago.com/2060-189 |
|  | Item no.: 206-860 Operating tool; for terminal blocks 2060 series | www.wago.com/206-860 |

General accessories

| | | |
|--|---|--|
|  | Item no.: 2060-953/028-000 Board-to-Board Link; Pin spacing 4 mm; 3-pole; Length: 28 mm | www.wago.com/2060-953/028-000 |
|--|---|--|

ferrule

| | | |
|---|--|--|
|  | Item no.: 216-131 Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated | www.wago.com/216-131 |
|  | Item no.: 216-132 Ferrule; Sleeve for 0.34 mm ² / AWG 24; uninsulated; electro-tin plated | www.wago.com/216-132 |
|  | Item no.: 216-301 Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated | www.wago.com/216-301 |
|  | Item no.: 216-302 Ferrule; Sleeve for 0.34 mm ² / AWG 24; insulated; electro-tin plated | www.wago.com/216-302 |

Downloads

smartDATA

PCB libraries

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

CAD data

| | | |
|------------------------------|-----|----------|
| 3D Download 2060-453/998-404 | URL | Download |
|------------------------------|-----|----------|

Subject to changes.