

SMD PCB Terminal Blocks with Push-Buttons, 0.75 mm² Pin Spacing: 4 mm 2060 Series



- SMD PCB terminal blocks with Push-in CAGE CLAMP® 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 high
- Available in tape-and-reel packaging for automated assembly
- For THR version, see page 123.

Technical data:

| Pin Spacing | 4 mm 0.157 in. | | |
|--------------------------------|-------------------|--------|--------|
| Ratings per | IEC/EN 60664-1 | | |
| Overtoltage category | III | III | II |
| Pollution degree | 3 | 2 | 2 |
| Rated voltage | 63 V | 160 V | 320 V |
| Rated surge voltage | 2.5 kV | 2.5 kV | 2.5 kV |
| Nominal current | 9 A | 9 A | 9 A |
| Approvals per | UL 1977 | | |
| Rated voltage, 1-pole | 600 V | | |
| Rated voltage, 2 or more poles | 320 V | | |
| Nominal current UL | 9 A | | |

Conductor data:

| | |
|-------------------------------|--|
| Connection technology | Push-in CAGE CLAMP® |
| Conductor size: solid | 0.2 ... 0.75 mm ² |
| Conductor size: fine-stranded | 0.2 ... 0.75 mm ² |
| Conductor size: fine-stranded | 0.25 ... 0.34 mm ² (with insulated ferrule) |
| Conductor size: fine-stranded | 0.25 ... 0.34 mm ² (with uninsulated ferrule) |
| AWG | 24 ... 18 |
| Strip length | 7 ... 9 mm / 0.28 ... 0.35 in. |
| Conductor entry angle | 0° to PCB |

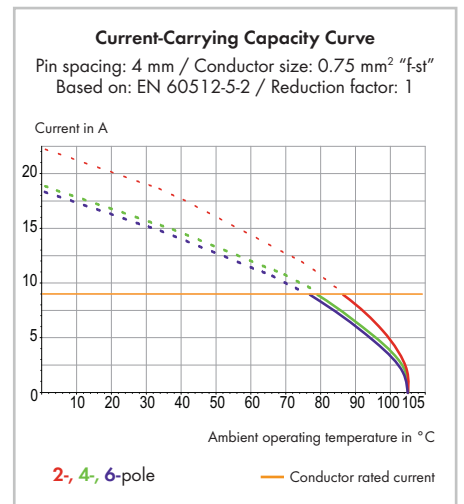
Material data:

| | |
|-------------------------------|---|
| Material group | I |
| Insulating material | Glass-fiber-reinforced polyphthalamide (PPA GF) |
| Flammability class per UL 94 | V0 |
| Lower/Upper limit temperature | -60 °C / +105 °C |
| Contact material | Copper alloy |
| Contact plating | tin-plated |

Application notes:

Suitable for lead-free, reflow-soldering profiles acc. to 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), it is recommended that trial runs are conducted to ensure product and process compatibility under actual manufacturing conditions.

Recommendation for stencil: Material thickness, 150 µm. Pattern layout identical to solder pad layout.

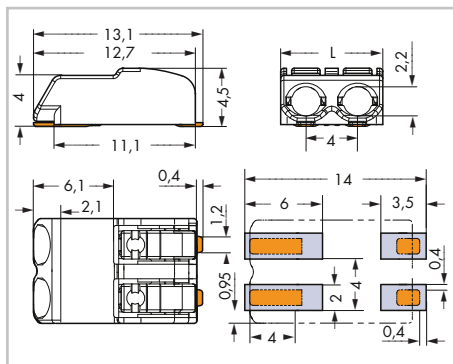


2060 Series accessories:

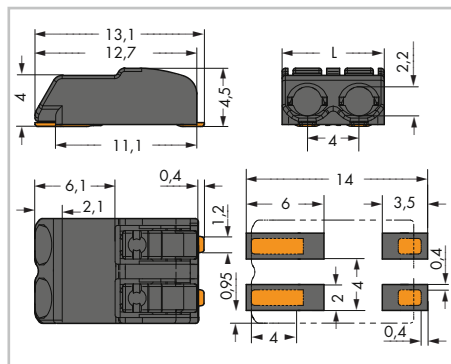
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|---------------------------|-----|
| Operating tool (206-860) | 218 |
| Operating tool (2060-189) | 218 |
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| | |

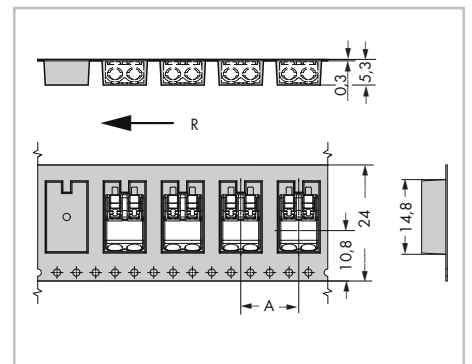
| | | | |
|--|--|--|--|
| Pin spacing: 4 mm / 0.157 in. 0.2 ... 0.75 mm ² 24 ... 18 AWG 160 V/2.5 kV/2 9 A | | Pin spacing: 4 mm / 0.157 in. 0.2 ... 0.75 mm ² 24 ... 18 AWG 160 V/2.5 kV/2 9 A | |
|--|--|--|--|



L = (pole no. x pin spacing) - 0.1 mm



L = (pole no. x pin spacing) - 0.1 mm



R = Feed direction
A = (pole no. x pin spacing) + 4 mm

| Pole No. | Item No. | Pack. Unit | Pole No. | Item No. | Pack. Unit |
|--|------------------|------------------|--|------------------|------------------|
| SMD PCB terminal block with push-buttons in tape-and-reel packaging, white* | | | SMD PCB terminal blocks with push-buttons in tape-and-reel packaging, black | | |
| 1 | 2060-451/998-404 | 13500 (9 x 1500) | 1 | 2060-471/998-404 | 13500 (9 x 1500) |
| 2 | 2060-452/998-404 | 9000 (9 x 1000) | 2 | 2060-472/998-404 | 9000 (9 x 1000) |
| 3 | 2060-453/998-404 | 6750 (9 x 750) | 3 | 2060-473/998-404 | 6750 (9 x 750) |
| Reel diameter: 330 mm | | | Reel diameter: 330 mm | | |



Inserting solid conductors via push-in termination.



Inserting/removing fine-stranded conductors by lightly pressing on push-button (e.g., using a 206-860 operating tool).



PCB terminal blocks can be arranged side-by-side without loss of poles.

* Depending on reflow soldering temperatures and times, color deviations may occur. These deviations will have no impact on functionality.