



**PCB terminal block; Push-button; 0.5 mm<sup>2</sup>; Pin spacing 2.5 mm; 7-pole; Push-in CAGE CLAMP®**

Item No.: 250-407



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## Marking

RoHS ✓  
Compliant

## Business data

|            |               |
|------------|---------------|
| Supplier   | WAGO          |
| Item no.   | 250-407       |
| GTIN / EAN | 4044918642965 |
| Content    | 1             |
|            |               |
|            |               |

## Notes

*Item description: Compact terminal strips with push-buttons Simple push-in termination for solid conductors Termination/removal of fine-stranded conductors via push-buttons 45° conductor entry angle provides easy, space-saving wiring Custom color combinations Terminal strips also available with spacers upon request*

## Technical data

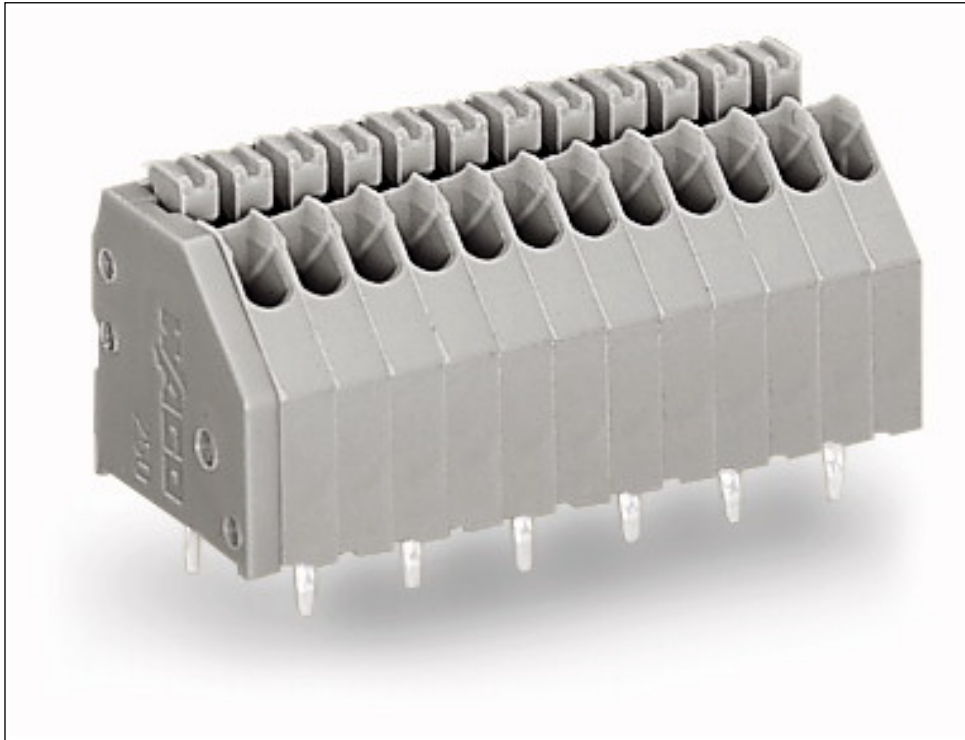
### Miscellaneous

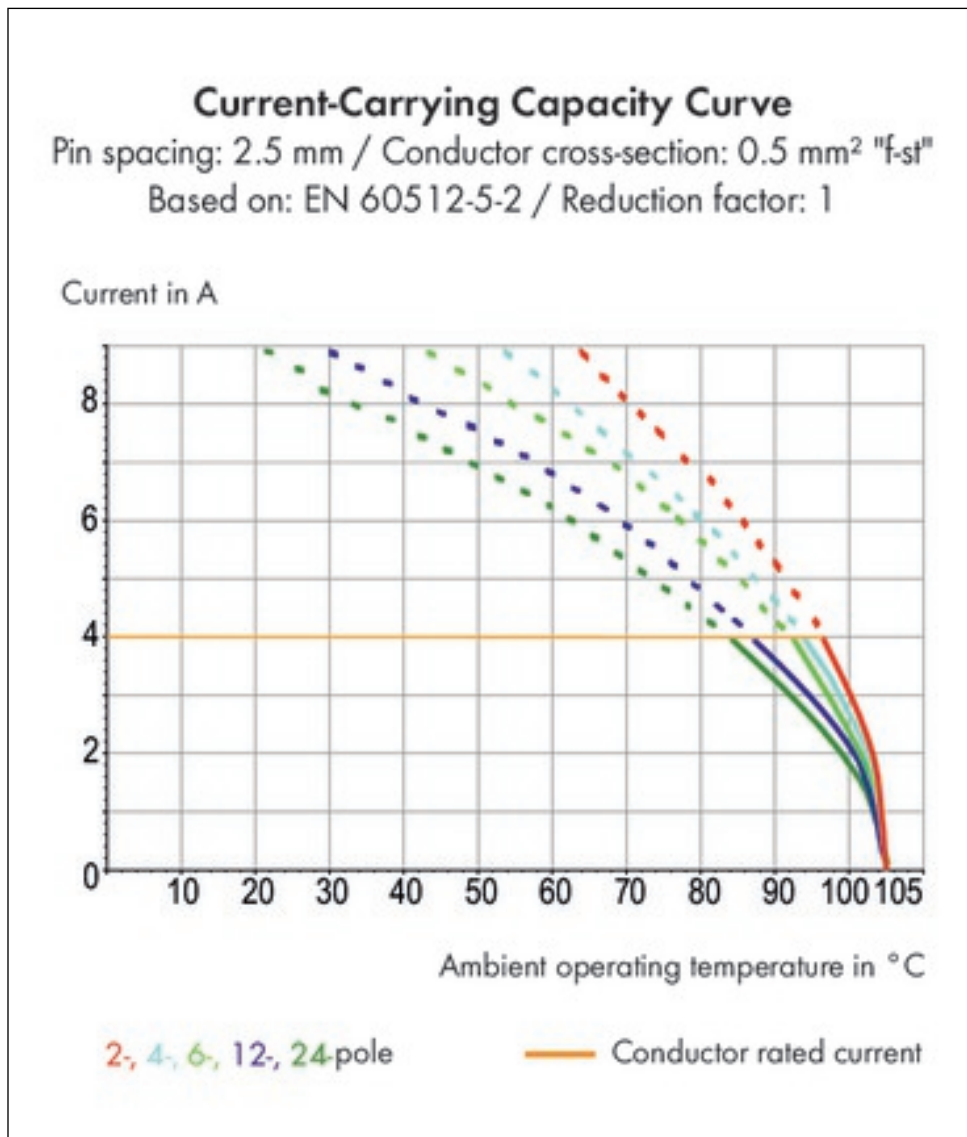
|                                               |                    |
|-----------------------------------------------|--------------------|
| Other versions (or variants) can be requested | Other pole numbers |
|                                               |                    |

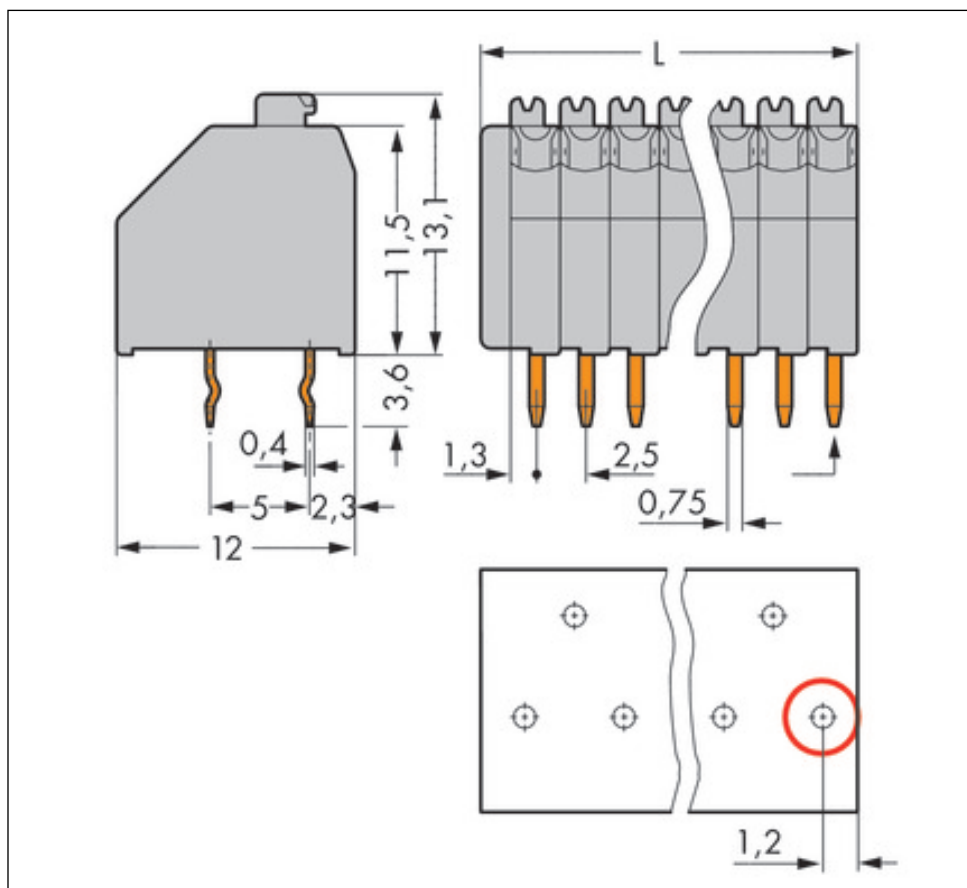
| Technical data                              |                                                                |
|---------------------------------------------|----------------------------------------------------------------|
| <i>Ratings per</i>                          | <i>IEC/EN 60664-1</i>                                          |
| <i>Rated voltage (III / 3) [V]</i>          | <i>160 [V]</i>                                                 |
| <i>Rated impulse voltage (III / 3) [kV]</i> | <i>2.5 [kV]</i>                                                |
| <i>Rated voltage (III/2) [V]</i>            | <i>160 [V]</i>                                                 |
| <i>Rated impulse voltage (III / 2) [kV]</i> | <i>2.5 [kV]</i>                                                |
| <i>Rated voltage (II / 2) [V]</i>           | <i>320 [V]</i>                                                 |
| <i>Rated impulse voltage (II / 2) [kV]</i>  | <i>2.5 [kV]</i>                                                |
| <i>Rated current [A]</i>                    | <i>4 [A]</i>                                                   |
| <i>Legend (ratings)</i>                     | <i>(III / 2) Overvoltage category III / Pollution degree 2</i> |
| <i>Approvals per</i>                        | <i>UL 1059</i>                                                 |
| <i>Rated voltage UL (Use Group B) [V]</i>   | <i>300 [V]</i>                                                 |
| <i>Rated current UL (Use Group B) [A]</i>   | <i>5 [A]</i>                                                   |
| <i>Rated voltage UL (Use Group D) [V]</i>   | <i>300 [V]</i>                                                 |
| <i>Rated current UL (Use Group D) [A]</i>   | <i>5 [A]</i>                                                   |
| <i>Rated voltage CSA (Use Group B) [V]</i>  | <i>300 [V]</i>                                                 |
| <i>Rated current CSA (Use Group B) [A]</i>  | <i>2 [A]</i>                                                   |
| <i>Rated voltage CSA (Use Group D) [V]</i>  | <i>300 [V]</i>                                                 |
| <i>Rated current CSA (Use Group D) [A]</i>  | <i>2 [A]</i>                                                   |
| <i>No. of poles</i>                         | <i>7</i>                                                       |
| <i>Total number of connection points</i>    | <i>7</i>                                                       |
| <i>Total number of potentials</i>           | <i>7</i>                                                       |
| <i>Number of connection types</i>           | <i>1</i>                                                       |
| <i>Number of levels</i>                     | <i>1</i>                                                       |
| <i>Connection technology</i>                | <i>Push-in CAGE CLAMP®</i>                                     |
| <i>Actuation type</i>                       | <i>Operating lever</i>                                         |
| <i>Solid conductor</i>                      | <i>0.14 ... 0.5 mm<sup>2</sup> / 24 ... 20 AWG</i>             |
| <i>Fine-stranded conductor</i>              | <i>0.2 ... 0.5 mm<sup>2</sup> / 24 ... 20 AWG</i>              |
| <i>Conductor diameter</i>                   | <i>0.4 - 0.8 mm</i>                                            |
| <i>Strip length</i>                         | <i>8.5 ... 9.5 mm / 0.33 ... 0.37 Inch</i>                     |
| <i>Conductor entry angle to the PCB [°]</i> | <i>45 [°]</i>                                                  |
| <i>Pin spacing</i>                          | <i>2.5 mm (0.098 in)</i>                                       |
| <i>Width</i>                                | <i>19 mm / 0.748 Inch</i>                                      |
| <i>Height</i>                               | <i>16.7 mm / 0.657 Inch</i>                                    |
| <i>Height from the surface</i>              | <i>13.1 mm / 0.516 Inch</i>                                    |

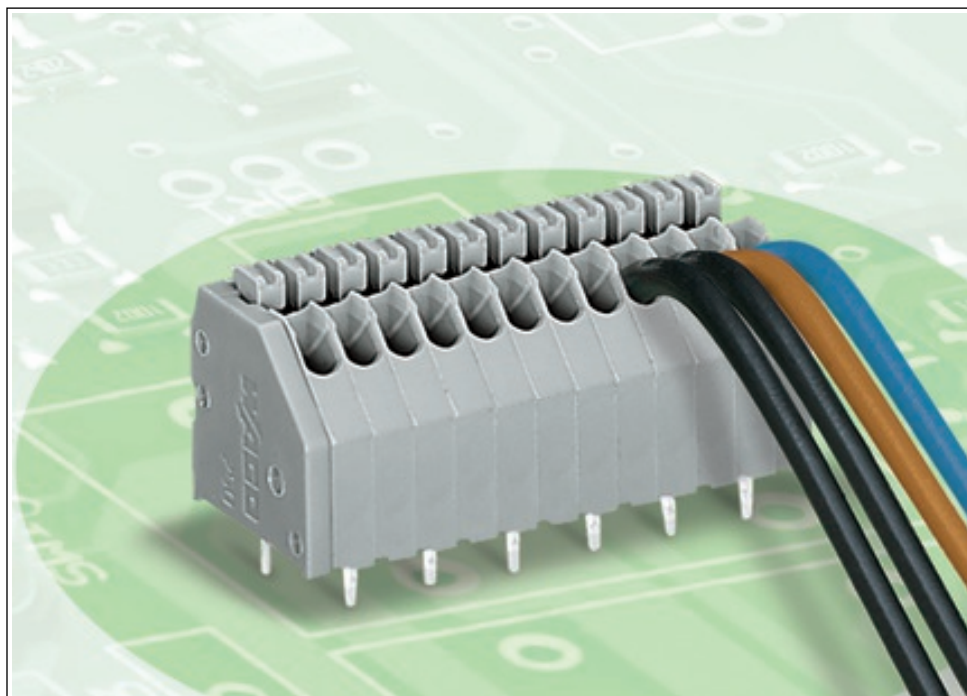
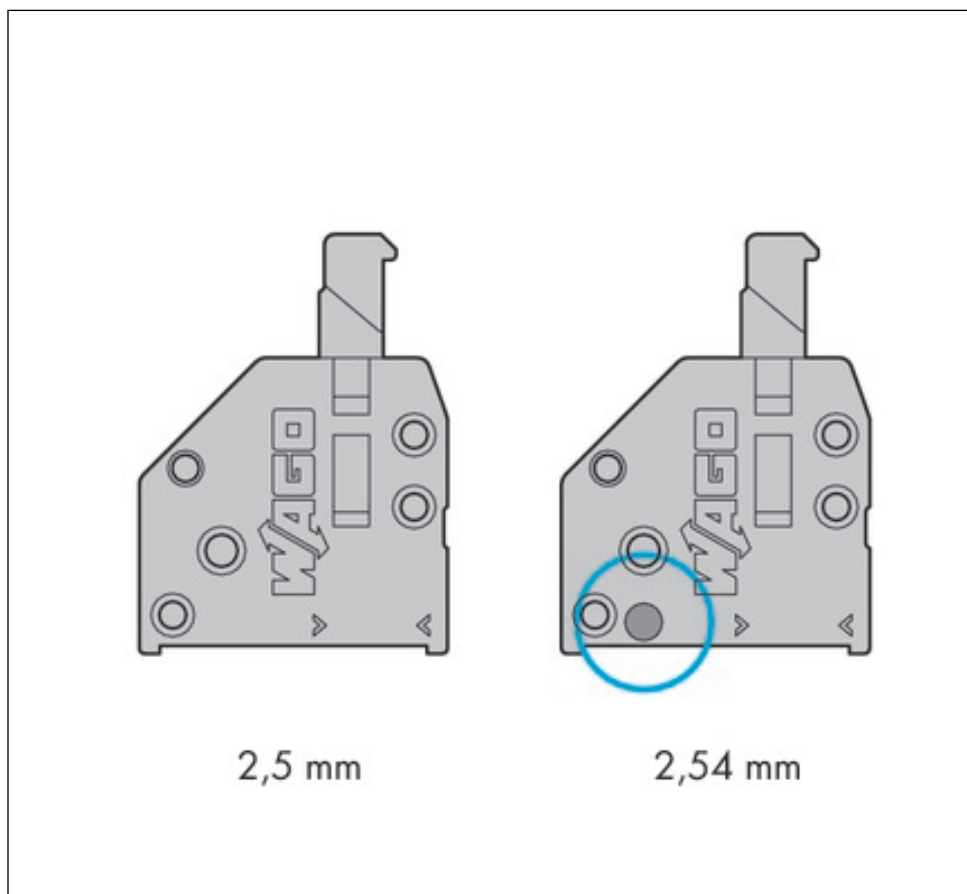
| Technical data                         |                                           |
|----------------------------------------|-------------------------------------------|
| Depth                                  | 12 mm / 0.472 Inch                        |
| Solder pin length [mm]                 | 3.6 [mm]                                  |
| Solder pin dimensions                  | 0.4 x 0.75 mm                             |
| Drilled hole diameter (tolerance) [mm] | 1(+ 0.1) [mm]                             |
| PCB contact                            | THT                                       |
| Solder pin arrangement                 | over the entire terminal strip, staggered |
| Number of solder pins per potential    | 1                                         |
| Color                                  | gray                                      |
| Material group                         | I                                         |
| Insulating material                    | Polyamide 66 (PA 66)                      |
| Flammability class per UL94            | V0                                        |
| Clamping spring material               | Copper alloy                              |
| Contact plating                        | tin-plated                                |
| Fire load [MJ]                         | 0.055 [MJ]                                |
| Weight [g]                             | 2.616 [g]                                 |
| Limit temperature range                | -60 ... 105 °C                            |
| Pin spacing from [in]                  | 0.098 [in]                                |
| Pin spacing from [mm]                  | 2.5 [mm]                                  |
| Main product function                  | PCB terminal block                        |
| Product type                           | PCB terminal blocks                       |

#### Images & drawings









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Technische Änderungen und Irrtümer vorbehalten.