



PCB terminal block; Push-button; 2.5 mm²; Pin spacing 10/10.16 mm; 10-pole; CAGE CLAMP®

Item No.: 255-610



PCB terminal block; Push-button; 2.5 mm²; Pin spacing 10/10.16 mm; 10-pole; CAGE CLAMP®

Marking

RoHS ✓  
Compliant

Business data

|                      |               |
|----------------------|---------------|
| Supplier             | WAGO          |
| Item no.             | 255-610       |
| GTIN / EAN           | 4044918662567 |
| Content              | 1             |
| Order amount         | 10            |
| Customer item number |               |

Notes

Item description:Modular terminal blocks with push-button actuated CAGE CLAMP®Also available with Ex e approvalSet to metric or inch pin spacing by compressing terminal strips together or pulling them apartIdeal for in-the-field wiring thanks to simplified push-button actuationConvenient, tool-free operation

Technical data

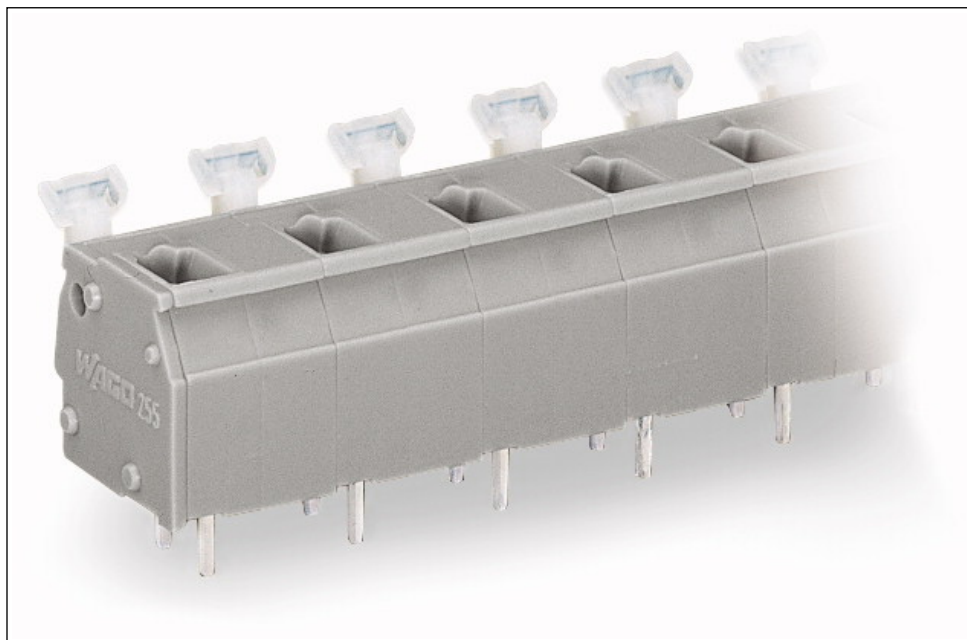
Miscellaneous

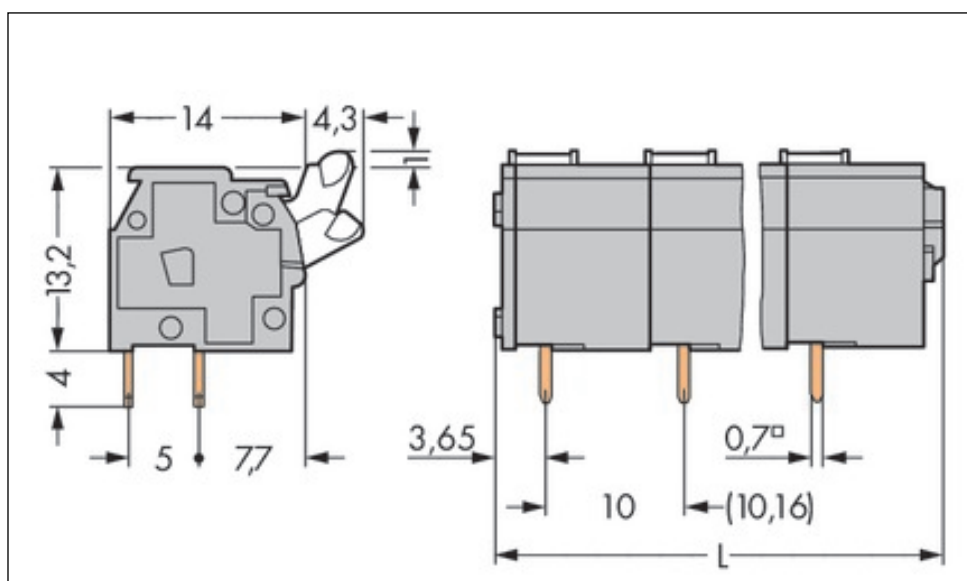
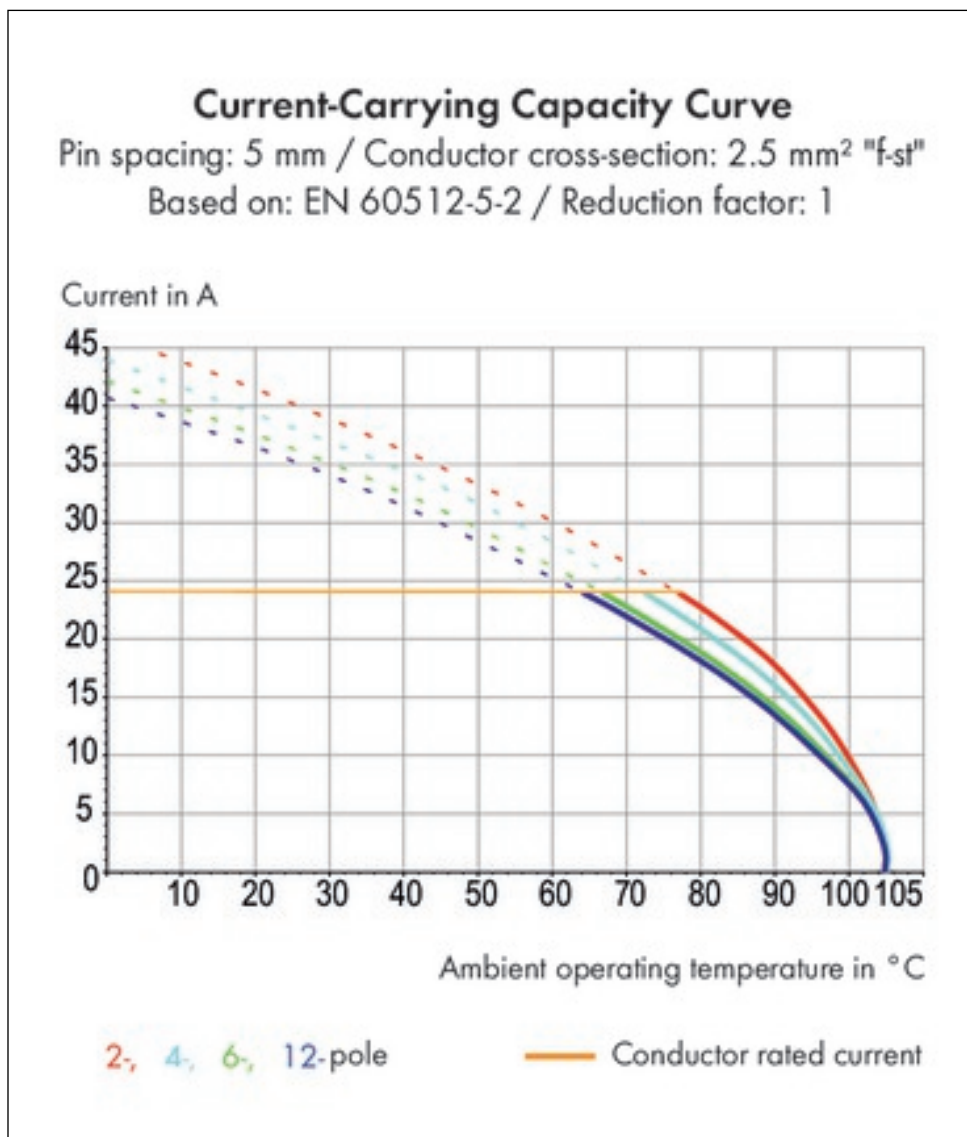
|                             |                |
|-----------------------------|----------------|
| Packaging type              | BOX            |
| Ratings per                 | IEC/EN 60664-1 |
| Rated voltage (III / 3) [V] | 630 [V]        |

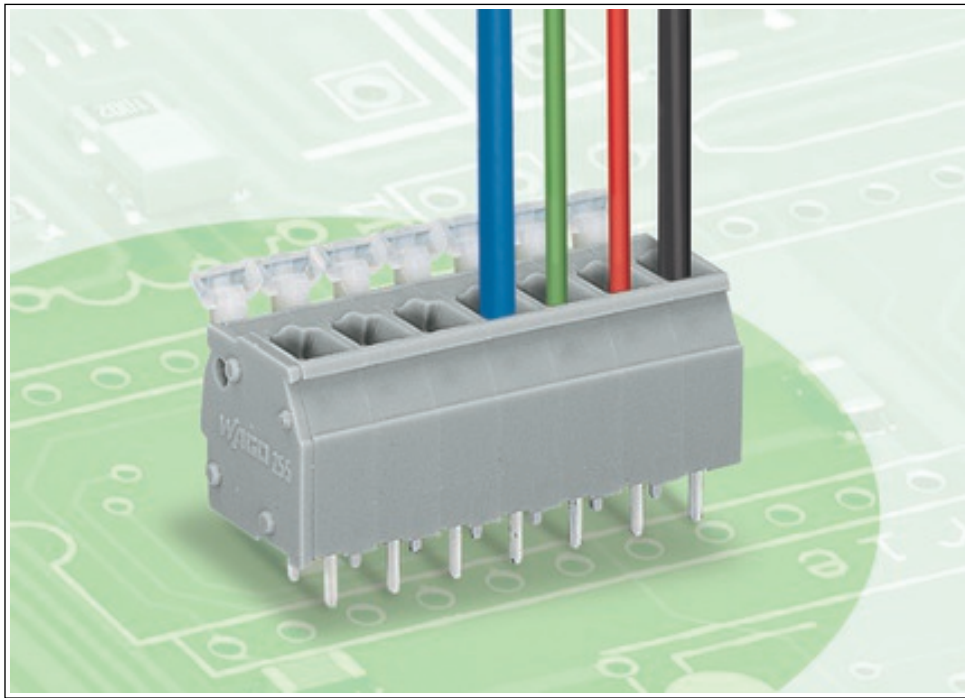
| Technical data                                              |                                                         |
|-------------------------------------------------------------|---------------------------------------------------------|
| Rated impulse voltage (III / 3) [kV]                        | 8 [kV]                                                  |
| Rated voltage (III/2) [V]                                   | 1000 [V]                                                |
| Rated impulse voltage (III / 2) [kV]                        | 8 [kV]                                                  |
| Rated voltage (II / 2) [V]                                  | 1000 [V]                                                |
| Rated impulse voltage (II / 2) [kV]                         | 8 [kV]                                                  |
| Rated current [A]                                           | 24 [A]                                                  |
| Legend (ratings)                                            | (III / 2) Overvoltage category III / Pollution degree 2 |
| Approvals per                                               | UL 1059                                                 |
| Rated voltage UL (Use Group B) [V]                          | 300 [V]                                                 |
| Rated current UL (Use Group B) [A]                          | 15 [A]                                                  |
| Rated voltage UL (Use Group D) [V]                          | 300 [V]                                                 |
| Rated current UL (Use Group D) [A]                          | 10 [A]                                                  |
| Rated voltage CSA (Use Group B) [V]                         | 300 [V]                                                 |
| Rated current CSA (Use Group B) [A]                         | 15 [A]                                                  |
| Rated voltage CSA (Use Group D) [V]                         | 300 [V]                                                 |
| Rated current CSA (Use Group D) [A]                         | 10 [A]                                                  |
| No. of poles                                                | 10                                                      |
| Total number of connection points                           | 10                                                      |
| Total number of potentials                                  | 10                                                      |
| Number of connection types                                  | 1                                                       |
| Number of levels                                            | 1                                                       |
| Connection technology                                       | CAGE CLAMP®                                             |
| Number of connection points (connection type)               | 1                                                       |
| Actuation type                                              | Operating lever                                         |
| Solid conductor                                             | 0.08 ... 2.5 mm <sup>2</sup> / 25 ... 12 AWG            |
| Fine-stranded conductor                                     | 0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG            |
| Fine-stranded conductor with ferrule with plastic collar    | 0.25 ... 1.5 mm <sup>2</sup> / ...                      |
| Fine-stranded conductor with ferrule without plastic collar | 0.25 ... 1.5 mm <sup>2</sup> / ...                      |
| Strip length                                                | 5 ... 6 mm / 0.2 ... 0.24 Inch                          |
| Conductor entry angle to the PCB [°]                        | 90 [°]                                                  |
| Pin spacing                                                 | 10/10.16 mm / 0.394/0.4 in                              |
| Width                                                       | 102.9 mm / 4.051 Inch                                   |
| Height                                                      | 18.2 mm / 0.717 Inch                                    |
| Height from the surface                                     | 14.2 mm / 0.559 Inch                                    |

| Technical data                         |                                         |
|----------------------------------------|-----------------------------------------|
| Depth                                  | 18.3 mm / 0.72 Inch                     |
| Solder pin length [mm]                 | 4 [mm]                                  |
| Solder pin dimensions                  | 0.7 x 0.7 mm                            |
| Drilled hole diameter (tolerance) [mm] | 1.1(+ 0.1) [mm]                         |
| PCB contact                            | THT                                     |
| Solder pin arrangement                 | over the entire terminal strip, in line |
| Number of solder pins per potential    | 2                                       |
| Color                                  | gray                                    |
| Material group                         | I                                       |
| Insulating material                    | Polyamide 46 (PA 46)                    |
| Flammability class per UL94            | V0                                      |
| Clamping spring material               | Chrome nickel spring steel (CrNi)       |
| Contact material                       | Electrolytic copper (Ecu)               |
| Contact plating                        | tin-plated                              |
| Fire load [MJ]                         | 0.326 [MJ]                              |
| Weight [g]                             | 16.96 [g]                               |
| Limit temperature range                | -60 ... 105 °C                          |

## Images & drawings







#### Address

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Technische Änderungen und Irrtümer vorbehalten.