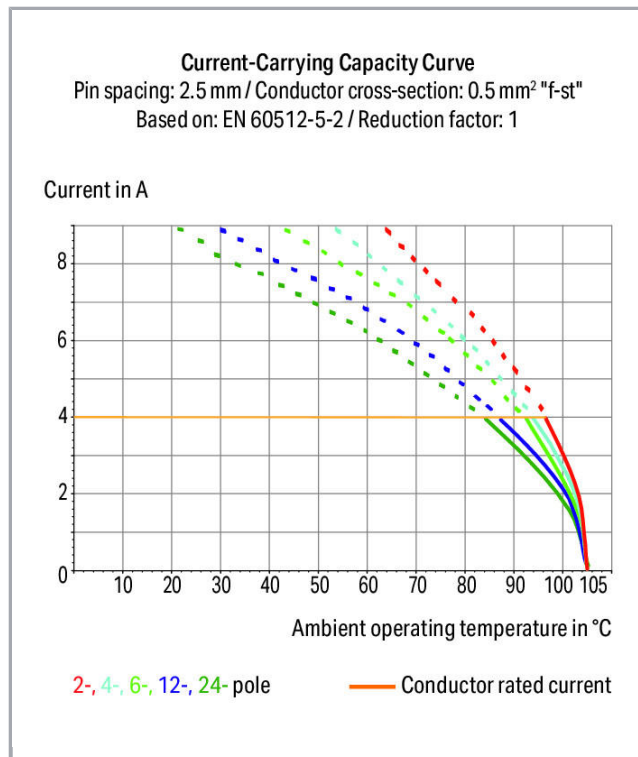


## Fișă tehnică | Număr articol: 250-1403/000-012

PCB terminal block; push-button; 0.5 mm<sup>2</sup>; Pin spacing 2.54 mm; 3-pole;  
Push-in CAGE CLAMP®; 0,50 mm<sup>2</sup>; orange



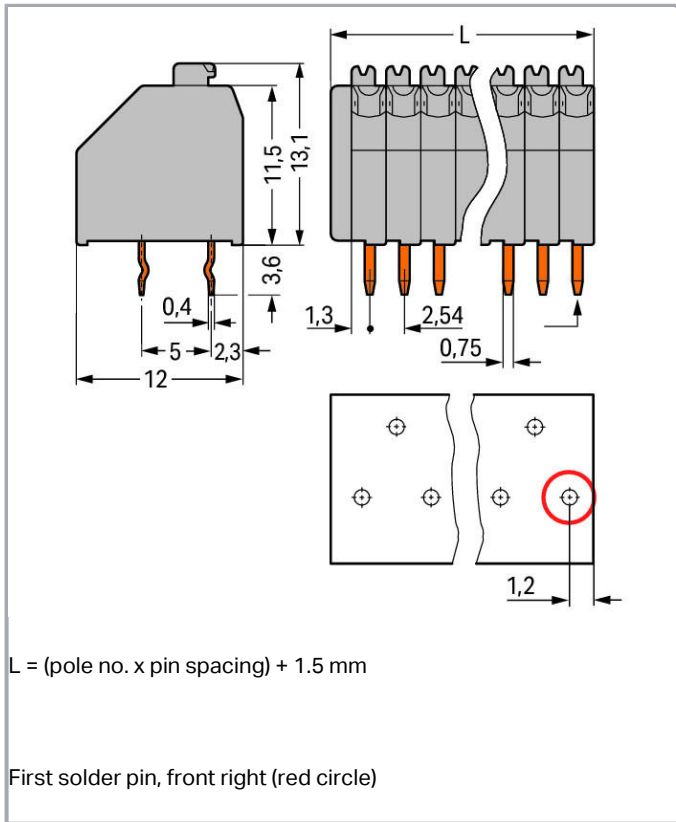
[www.wago.com/250-1403/000-012](http://www.wago.com/250-1403/000-012)



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Sos. Pipera-Tunari nr. 1/1  
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Aveți întrebări despre produsele noastre?  
Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.



## Descriere articol

- Compact PCB terminal strips with push-buttons
- Push-in termination of 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

## Date

### Electrical data

### Ratings per IEC/EN 60664-1

| Ratings per                 | IEC/EN 60664-1 |
|-----------------------------|----------------|
| Nominal voltage (III/3)     | 160 V          |
| Rated surge voltage (III/3) | 2,5 kV         |
| Rated voltage (III/2)       | 160 V          |

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|                             |  |
|-----------------------------|--|
| Rated surge voltage (III/2) | 2,5 kV   |
| Nominal voltage (II/2)      | 320 V  |
| Rated surge voltage (II/2)  | 2,5 kV   |
| Rated current               | 4 A  |
| Legend (ratings)            | (III / 2) $\triangleq$ Overvoltage category III / Pollution degree 2 |

**Approvals per UL 1059**

|                                |         |
|--------------------------------|---------|
| Rated voltage UL (Use Group B) | 300 V   |
| Rated current UL (Use Group B) | 5 A     |
| Rated voltage UL (Use Group D) | 300 V   |
| Rated current UL (Use Group D) | 5 A     |
| Approvals per                  | UL 1059 |

**Approvals per CSA**

|                                 |       |
|---------------------------------|-------|
| Rated voltage CSA (Use Group B) | 300 V |
| Rated current CSA (Use Group B) | 5 A   |
| Rated voltage CSA (Use Group D) | 300 V |
| Rated current CSA (Use Group D) | 5 A   |

**Connection data**

|                                       |  |
|---------------------------------------|--|
| Connection technology                 | Push-in CAGE CLAMP®                          |
| Actuation type                        | Push-button                                  |
| Solid conductor                       | 0,14 ... 0,5 mm <sup>2</sup> / 24 ... 20 AWG |
| Fine-stranded conductor               | 0,2 ... 0,5 mm <sup>2</sup> / 24 ... 20 AWG  |
| Conductor diameter                    | 0,4 ... 0,8 mm                               |
| Strip length                          | 8,5 ... 9,5 mm / 0.33 ... 0.37 inch          |
| Conductor connection direction to PCB | 45°  |
| Pole No.                              | 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 | 2,54 mm / 0.1 inch   |
| Width       | 9,12 mm / 0.359 inch |

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|                                      |                        |
|--------------------------------------|------------------------|
| Height                               | 16,7 mm / 0.657 inch   |
| Height from the surface              | 13,1 mm / 0.516 inch   |
| Depth                                | 12 mm / 0.472 inch     |
| Solder pin length                    | 3,6 mm                 |
| Solder pin dimensions                | 0,4 x 0,75 mm          |
| Drilled hole diameter with tolerance | 1 <sup>(+0,1)</sup> mm |

### PCB contact

|                                     |  |
|-------------------------------------|--|
| PCB contact                         | THT  |
| Solder pin arrangement              | over the entire terminal strip (staggered) |
| Number of solder pins per potential | 1  |

### Material Data

|                             |  |
|-----------------------------|--|
| Color                       | orange                                 |
| Material group              | I                                      |
| Insulation material         | Polyamide 66 (PA 66)                   |
| Flammability class per UL94 | V0                                     |
| Clamping spring material    | Copper alloy                           |
| Contact material            | Electrolytic copper (E <sub>Cu</sub> ) |
| Contact plating             | tin-plated                             |
| Fire load                   | 0,027 MJ                               |
| Weight                      | 1,2 g                                  |

### Environmental Requirements

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

### Commercial data

|                       |                     |
|-----------------------|---------------------|
| Product Group         | 4 (Printed Circuit) |
| Packaging type        | BOX                 |
| Country of origin     | CH                  |
| GTIN                  | 4044918643191       |
| Customs tariff number | 85369010000         |

### Aprobări / certificate


#### Country specific Approvals

Nume


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Aveți întrebări despre produsele noastre?  
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| Emblemă  | Aprobare                        | Text de aprobare suplimentar | certificat |
|--|---------------------------------|------------------------------|------------|
|  | CSA<br>DEKRA Certification B.V. | C22.2                        | 1132097    |

## UL-Approvals

| Emblemă  | Aprobare                            | Text de aprobare suplimentar | Nume<br>certificat |
|--|-------------------------------------|------------------------------|--------------------|
|  | UL<br>UL International Germany GmbH | UL 1059                      | E45172<br>sec. 6   |



## Counterpart

## Produse compatibile

## check

|  |   |  |
|--|---|--|
|  | <b>Nr. articol: 735-500</b><br>Test pin; 1 mm Ø; with solder connection for test wire | <a href="http://www.wago.com/735-500">www.wago.com/735-500</a> |
|--|---|--|

## tools

|  |  |  |
|--|--|--|
|  | <b>Nr. articol: 210-647</b><br>Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft | <a href="http://www.wago.com/210-647">www.wago.com/210-647</a> |
|  | <b>Nr. articol: 210-719</b><br>Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft | <a href="http://www.wago.com/210-719">www.wago.com/210-719</a> |

## Marking accessories

|  |  |
|--|--|
| <b>Nr. articol: 210-331/254-202</b><br>Marking strips; as a DIN A4 sheet; MARKED; 1-16 (400x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white  | <a href="http://www.wago.com/210-331/254-202">www.wago.com/210-331/254-202</a> |
| <b>Nr. articol: 210-331/254-204</b><br>Marking strips; as a DIN A4 sheet; MARKED; 17-32 (400x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white | <a href="http://www.wago.com/210-331/254-204">www.wago.com/210-331/254-204</a> |
| <b>Nr. articol: 210-331/254-206</b><br>Marking strips; as a DIN A4 sheet; MARKED; 33-48 (400x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white | <a href="http://www.wago.com/210-331/254-206">www.wago.com/210-331/254-206</a> |

**Nr. articol: 210-331/254-207**

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Marking strips; as a DIN A4 sheet; MARKED; 1-48 (100x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white

[www.wago.com/210-331/254-207](http://www.wago.com/210-331/254-207)

## Descărcări

### Documentation

#### Additional Information

|                        |             |               |            |
|------------------------|-------------|---------------|------------|
| Technical explanations | Apr 3, 2019 | pdf<br>3,6 MB | Descărcare |
|------------------------|-------------|---------------|------------|

### CAD/CAE-Data

#### CAD data

|                               |     |            |
|-------------------------------|-----|------------|
| 2D/3D Models 250-1403/000-012 | URL | Descărcare |
|-------------------------------|-----|------------|

#### CAE data

|                                    |     |            |
|------------------------------------|-----|------------|
| EPLAN Data Portal 250-1403/000-012 | URL | Descărcare |
|------------------------------------|-----|------------|

#### PCB Design

|                                       |     |            |
|---------------------------------------|-----|------------|
| Symbol and Footprint 250-1403/000-012 | URL | Descărcare |
|---------------------------------------|-----|------------|

CAx data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.

#### Supported formats:

- Accel EDA 14 & 15
- Altium 6 to current version
- Cadence Allegro
- DesignSpark
- Eagle Libraries
- KiCad
- Mentor Graphics BoardStation
- Mentor Graphics Design Architect
- Mentor Graphics Design Expedition 99 and 2000
- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006

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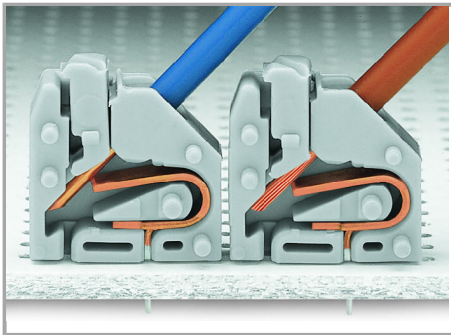
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

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## Installation Notes

### Conductor termination



Inserting solid conductors via push-in termination.

Inserting fine-stranded conductors via push-buttons, 250 Series – 3.5 mm pin spacing.

Supus modificărilor.