

## Data Sheet | Item Number: 250-206/000-006

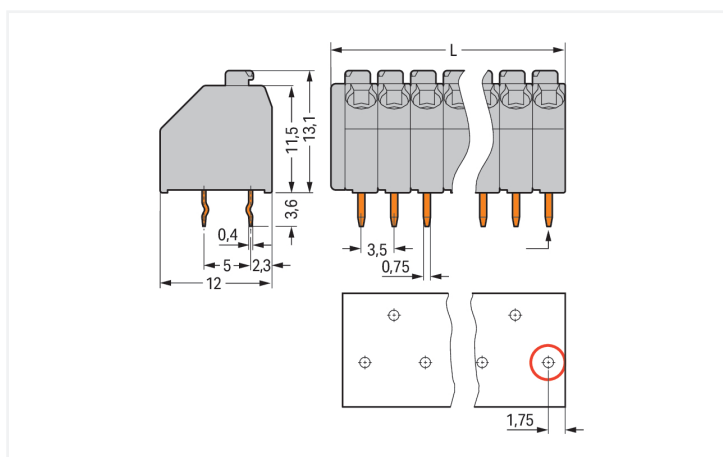
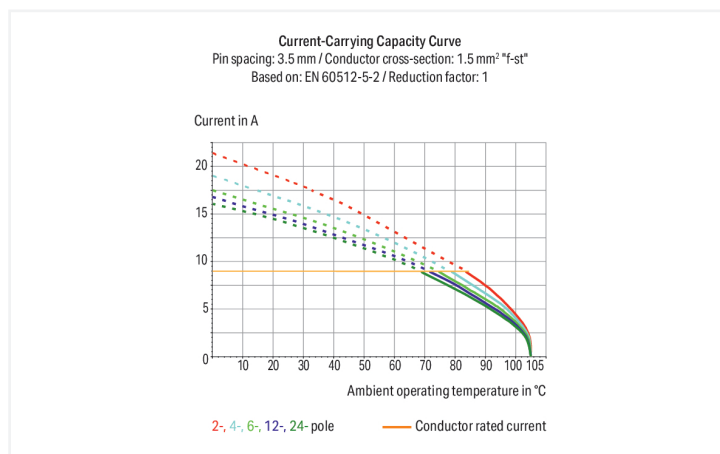
PCB terminal block; push-button; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 6-pole; Push-in CAGE CLAMP®; blue

<https://www.wago.com/250-206/000-006>



Color: ■ blue

Similar to illustration



Dimensions in mm

L = (pole no. x pin spacing) + 1.5 mm First solder pin, front right (red circle)

PCB terminal block, 250 Series, push-button

Connect conductors quickly and securely with this PCB terminal block (item number 250-206/000-006). It is a universal connector that can be used almost anywhere, e.g., as a pluggable PCB connector, panel feedthrough header, connector for rail-mount terminal blocks, or a floating connector for different mounting methods. Conductors can only be connected to this PCB terminal block if their strip length is between 8.5 and 9.5 mm. Featuring one conductor terminal along with Push-in CAGE CLAMP®, this product outperforms the competition. Push-in CAGE CLAMP® connection technology is ideal for connecting all conductor types. Solid and fine-stranded conductors with ferrules can be plugged in without needing to use any tools—all thanks to its pluggable design. The item's dimensions are (22.5 x 16.7 x 12) mm (width x height x depth). Depending on the type of conductor, this PCB terminal block is ideal for conductor cross sections ranging from 0.2 mm<sup>2</sup> to 1.5 mm<sup>2</sup>. Tin is used for coating the contact surfaces. A push-button is used to operate this PCB terminal block. The PCB terminal block is designed for THT soldering. Insert the conductor into the board at a 45° angle..

| Notes     |                                                                                                                                                                                                                                                                                          |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Variants: | Other pole numbers<br>Other colors<br>Mixed-color PCB connector strips<br>Terminal strips with spacers<br>Direct marking<br>Other versions (or variants) can be requested from WAGO Sales or configured at <a href="https://configurator.wago.com/">https://configurator.wago.com/</a> . |

Electrical data

| Ratings per                     |       | IEC/EN 60664-1 |        |
|---------------------------------|-------|----------------|--------|
| Overvoltage category            | III   | III            | II     |
| Pollution degree                | 3     | 2              | 2      |
| Nominal voltage                 | 250 V | 320 V          | 630 V  |
| Rated impulse withstand voltage | 4 kV  | 2.5 kV         | 2.5 kV |
| Rated current                   | 8 A   | 8 A            | 8 A    |

| Approvals per |       | UL 1059 |       |
|---------------|-------|---------|-------|
| Use group     | B     | C       | D     |
| Rated voltage | 300 V | -       | 300 V |
| Rated current | 8 A   | -       | 5 A   |

| Approvals per |       | CSA |       |
|---------------|-------|-----|-------|
| Use group     | B     | C   | D     |
| Rated voltage | 300 V | -   | 300 V |
| Rated current | 10 A  | -   | 10 A  |

Connection Data

|                            |   |
|----------------------------|---|
| Clamping units             | 6 |
| Total number of potentials | 6 |
| Number of connection types | 1 |
| Number of levels           | 1 |

| Connection 1                                      |                                       |
|---------------------------------------------------|---------------------------------------|
| Connection technology                             | Push-in CAGE CLAMP®                   |
| Actuation type                                    | Push-button                           |
| Solid conductor                                   | 0.2 ... 1.5 mm² / 24 ... 16 AWG       |
| Fine-stranded conductor                           | 0.2 ... 1.5 mm² / 24 ... 16 AWG       |
| Fine-stranded conductor; with insulated ferule    | 0.25 ... 1 mm²                        |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 ... 1 mm²                        |
| Strip length                                      | 8.5 ... 9.5 mm / 0.33 ... 0.37 inches |
| Conductor connection direction to PCB             | 45 °                                  |
| Pole number                                       | 6                                     |

Physical data

|                         |                        |
|-------------------------|------------------------|
| Pin spacing             | 3.5 mm / 0.138 inches  |
| Width                   | 22.5 mm / 0.886 inches |
| Height                  | 16.7 mm / 0.657 inches |
| Height from the surface | 13.1 mm / 0.516 inches |
| Depth                   | 12 mm / 0.472 inches   |
| Solder pin length       | 3.4 mm                 |
| Solder pin dimensions   | 0.4 x 0.75 mm          |
| Drilled hole diameter   | 1.1 (+0.1) mm          |

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

| Material data                      |  |                                                                          |
|------------------------------------|--|--------------------------------------------------------------------------|
| Note (material data)               |  | <a href="#">Information on material specifications can be found here</a> |
| Color                              |  | blue                                                                     |
| Material group                     |  | I                                                                        |
| Insulation material (main housing) |  | Polyamide (PA66)                                                         |
| Flammability class per UL94        |  | V0                                                                       |
| Clamping spring material           |  | Copper alloy                                                             |
| Contact Plating                    |  | Tin                                                                      |
| Fire load                          |  | 0.053 MJ                                                                 |
| Weight                             |  | 3 g                                                                      |

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

| Commercial data       |  |                                |
|-----------------------|--|--------------------------------|
| Product Group         |  | 4 (Printed Circuit Connectors) |
| PU (SPU)              |  | 200 (50) pcs                   |
| Packaging type        |  | Box                            |
| Country of origin     |  | CH                             |
| GTIN                  |  | 4044918648509                  |
| Customs tariff number |  | 85369010000                    |

| Product Classification |  |                      |
|------------------------|--|----------------------|
| UNSPSC                 |  | 39121409             |
| eCl@ss 10.0            |  | 27-44-04-01          |
| eCl@ss 9.0             |  | 27-44-04-01          |
| ETIM 9.0               |  | EC002643             |
| ETIM 10.0              |  | EC002643             |
| ECCN                   |  | NO US CLASSIFICATION |

| Environmental Product Compliance |  |                         |
|----------------------------------|--|-------------------------|
| RoHS Compliance Status           |  | Compliant, No Exemption |

Approvals / Certificates

| General approvals                                                                                                                                                                                                                                                                                                                                                 |              |                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------|
| <div><div></div></div> |              |                  |
| Approval                                                                                                                                                                                                                                                                                                                                                          | Standard     | Certificate Name |
| CSA<br>DEKRA Certification B.V.                                                                                                                                                                                                                                                                                                                                   | C22.2        | 1132097          |
| DEKRA<br>DEKRA Certification B.V.                                                                                                                                                                                                                                                                                                                                 | EN 60947-7-4 | 71-141963        |
| UL<br>UL International Germany GmbH                                                                                                                                                                                                                                                                                                                               | UL 1977      | E45171           |

| General approvals                   |         |        |
|-------------------------------------|---------|--------|
| UL<br>UL International Germany GmbH | UL 1059 | E45172 |

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance

250-206/000-006

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Documentation

Additional Information

Technical Section

03.04.2019

pdf

2027.26 KB

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CAD/CAE-Data

CAD data

2D/3D Models

250-206/000-006

↓

CAE data

EPLAN Data Portal

250-206/000-006

↓

ZUKEN Portal

250-206/000-006

↓

PCB Design

Symbol and Footprint via SamacSys

250-206/000-006

↓

Symbol and Footprint via Ultra Librarian

250-206/000-006

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1 Compatible Products

1.1 Optional Accessories

1.1.1 Marking

1.1.1.1 Marking strip



Item No.: 210-332/350-202

Marking strips; as a DIN A4 sheet; MARKED; 1-16 (240x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white



Item No.: 210-332/350-204

Marking strips; as a DIN A4 sheet; MARKED; 17-32 (240x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white



Item No.: 210-332/350-206

Marking strips; as a DIN A4 sheet; MARKED; 33-48 (240x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white

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Downloaded from [Arrow.com](https://www.arrow.com)

1.1.2 Test and measurement

1.1.2.1 Testing accessories



**Item No.: 735-500**  
WAGO Test pin; 1 mm Ø; 30 V AC / 60 V DC;  
CAT0; 1 A; 6 mm uninsulated; Test lead for  
soldering up to 0,5mm<sup>2</sup>

1.1.3 Tool

1.1.3.1 Operating tool



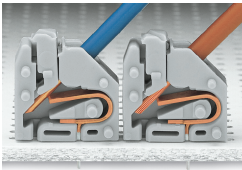
**Item No.: 210-720**  
Operating tool; Blade: 3.5 x 0.5 mm; with a  
partially insulated shaft; multicoloured



**Item No.: 210-657**  
Operating tool; Blade: 3.5 x 0.5 mm; with a  
partially insulated shaft; short; multicoloured

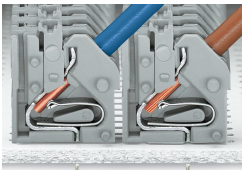
Installation Notes

Conductor termination



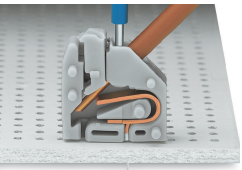
Inserting solid conductors via push-in termination.  
Inserting fine-stranded conductors via push-buttons, 250 Series – 3.5 mm pin spacing.

Conductor termination

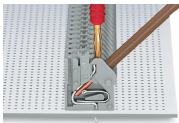


Space-saving wiring, 250 Series – 5 mm pin spacing.

Testing

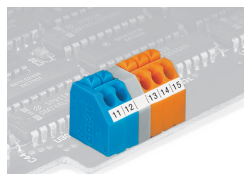
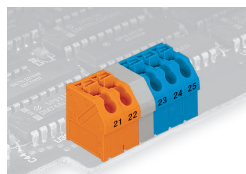


Testing with 11 mm Ø test pin, on the conductor, 250 Series – 2.5 ... 3.5 mm pin spacing.



Testing with 2 mm Ø test plug, touch contact, 250 Series – 5 mm pin spacing.

## Marking



Labeling via self-adhesive strips or direct marking. Mixed-color terminal strips (with or without spacer) are available upon request.

Labeling via self-adhesive strips or direct marking. Mixed-color terminal strips (with or without spacer) are available upon request.