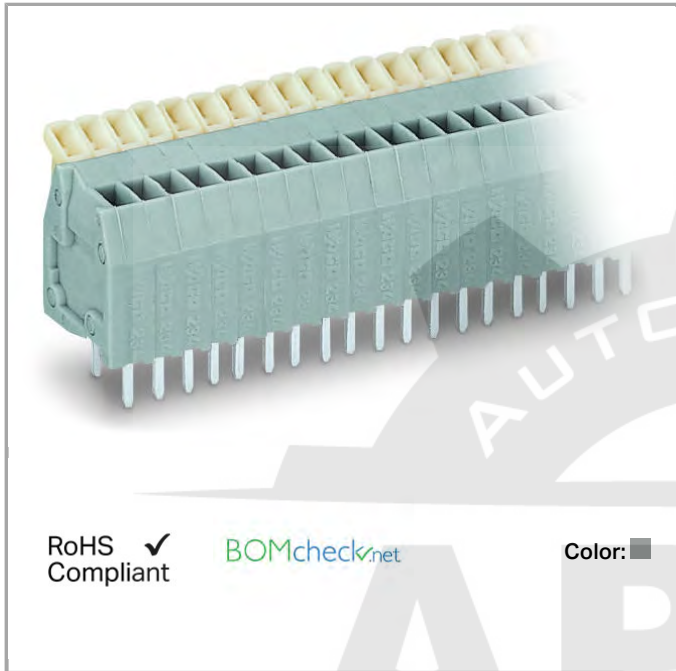


## Data sheet | Item number: 234-205

PCB terminal block; push-button; 0.5 mm<sup>2</sup>; Pin spacing 2.5 mm; 5-pole;  
CAGE CLAMP®



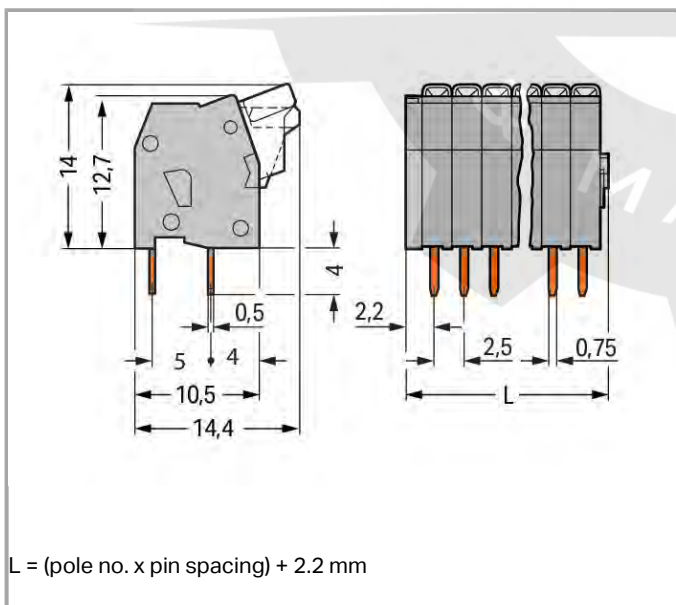
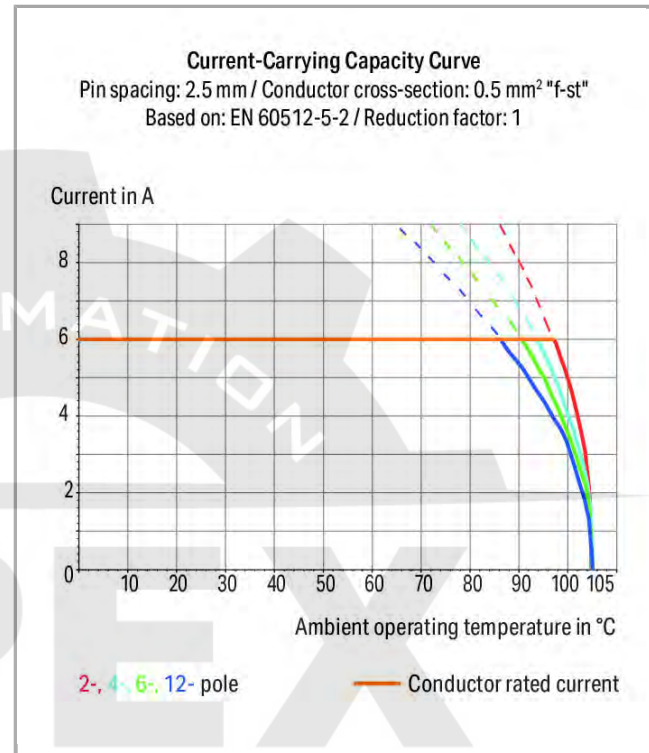
234-205



RoHS  
Compliant

BOMcheck.net

Color: ■



### Item description

- Terminal strips with push-buttons and CAGE CLAMP® connection

- Double solder pins for high mechanical stability on PCB
- Ideal for in-the-field wiring thanks to simplified push-button actuation
- Convenient, tool-free operation

## Data

### Electrical data

#### Ratings per IEC/EN 60664-1

|                                 |        |
|---------------------------------|--------|
| Rated voltage (III / 3)         | 63 V   |
| Rated impulse voltage (III / 3) | 2.5 kV |
| Rated voltage (III / 2)         | 160 V  |
| Rated impulse voltage (III / 2) | 2.5 kV |
| Rated voltage (II / 2)          | 320 V  |
| Rated impulse voltage (II / 2)  | 2.5 kV |
| Rated current                   | 6 A    |

#### Approvals per UL 1059

|                                |       |
|--------------------------------|-------|
| Rated voltage UL (Use Group B) | 150 V |
| Rated current UL (Use Group B) | 4 A   |

#### Approvals per CSA

|                                 |       |
|---------------------------------|-------|
| Rated voltage CSA (Use Group B) | 150 V |
| Rated current CSA (Use Group B) | 4 A   |

### Connection data

|                                                             |                                              |
|-------------------------------------------------------------|----------------------------------------------|
| Connection technology                                       | CAGE CLAMP®                                  |
| Actuation type                                              | Push-button                                  |
| Solid conductor                                             | 0.08 ... 0.5 mm <sup>2</sup> / 28 ... 20 AWG |
| Fine-stranded conductor                                     | 0.08 ... 0.5 mm <sup>2</sup> / 28 ... 20 AWG |
| Fine-stranded conductor with ferrule with plastic collar    | 0.25 mm <sup>2</sup>                         |
| Fine-stranded conductor with ferrule without plastic collar | 0.25 mm <sup>2</sup>                         |
| Strip length                                                | 5 ... 6 mm / 0.2 ... 0.24 inch               |
| Conductor entry angle to the PCB                            | 90°                                          |
| No. of poles                                                | 5                                            |
| Total number of connection points                           | 5                                            |
| Total number of potentials                                  | 5                                            |
| Number of connection types                                  | 1                                            |
| Number of levels                                            | 1                                            |

## Geometrical Data

|                                   |                               |
|-----------------------------------|-------------------------------|
| Pin spacing                       | 2.5 mm / 0.098 inch           |
| Width                             | 14.7 mm / 0.579 inch          |
| Height                            | 18 mm / 0.709 inch            |
| Height from the surface           | 14 mm / 0.551 inch            |
| Depth                             | 14.4 mm / 0.567 inch          |
| Solder pin length                 | 4 mm                          |
| Solder pin dimensions             | 0.5 x 0.75 mm                 |
| Drilled hole diameter (tolerance) | 1.1 <sup>(-... +0.1)</sup> mm |

## PCB contact

|                                     |                                         |
|-------------------------------------|-----------------------------------------|
| PCB contact                         | THT                                     |
| Solder pin arrangement              | over the entire terminal strip, in line |
| Number of solder pins per potential | 2                                       |

## Material Data

|                             |                                        |
|-----------------------------|----------------------------------------|
| Color                       | gray                                   |
| Material group              | I                                      |
| Insulating material         | Polyamide 66 (PA 66)                   |
| Flammability class per UL94 | V0                                     |
| Clamping spring material    | Chrome nickel spring steel (CrNi)      |
| Contact material            | Electrolytic copper (E <sub>Cu</sub> ) |
| Contact plating             | tin-plated                             |
| Fire load                   | 0.039 MJ                               |
| Weight                      | 2.615 g                                |

## Environmental Requirements

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

## Commercial data

|                    |                     |
|--------------------|---------------------|
| Product Group      | 4 (Printed Circuit) |
| Country of origin  | CH                  |
| GTIN               | 4044918651516       |
| Customs Tariff No. | 85369010000         |

## Approvals / Certificates

### Country specific Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|------|----------|--------------------------|------------------|
|------|----------|--------------------------|------------------|

|                                                                                    |                                     |                          |                     |
|------------------------------------------------------------------------------------|-------------------------------------|--------------------------|---------------------|
| CCA                                                                                | CCA<br>DEKRA Certification B.V.     | EN 60998                 | NTR NL<br>6946      |
|    | CCA<br>DEKRA Certification B.V.     | EN 60947                 | 2169331.03          |
|    | CCA<br>DEKRA Certification B.V.     | EN 60998                 | 2153951.01          |
| CCA                                                                                | CCA<br>DEKRA Certification B.V.     | EN 60947-7-4             | NTR NL-<br>7270     |
|    | CSA<br>DEKRA Certification B.V.     | C22.2                    | 1465035             |
|   | CSA<br>DEKRA Certification B.V.     | C22.2                    | 1465035             |
| UL-Approvals                                                                       |                                     |                          |                     |
| Logo                                                                               | Approval                            | Additional Approval Text | Certificate<br>name |
|  | UL<br>UL International Germany GmbH | UL 1059                  | E45172              |

## Compatible products

## Marking accessories

|                                                                                                                                                          |           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Item no.: 210-331/250-202                                                                                                                                | 210-331   |
| 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  | / 250-202 |
| Item no.: 210-331/250-204                                                                                                                                | 210-331   |
| 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 | / 250-204 |
| Item no.: 210-331/250-206                                                                                                                                | 210-331   |
| Marking strips; as a DIN A4 sheet; MARKED; 33-48 (400x); Height of marker strip: 2.3 mm/0.091 in; Strip                                                  | / 250-206 |



length 182 mm; Horizontal marking; Self-adhesive

**Item no.: 210-331/250-207**

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

210-331

/ 250-207

**tools****Item no.: 210-648**

Operating tool with partially insulated shaft; Blade (2.5 x 0.4) mm; short; angled

210-648

**Item no.: 210-719**

Operating tool with partially insulated shaft; Type 1, blade (2.5 x 0.4) mm

210-719

**ferrule****Item no.: 216-131**Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; uninsulated; electro-tin plated

216-131

**Item no.: 216-151**Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; uninsulated; electro-tin plated

216-151

**Item no.: 216-301**Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; insulated; electro-tin plated

216-301

**Item no.: 216-321**Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; insulated; electro-tin plated

216-321

**Downloads****CAD/CAE - Smart Data****CAD data**

3D Download 234-205

URL

Download

**PCB libraries**

DesignSpark Library for WAGO PCB Terminal Blocks

2.1

zip

Download

Compatible with DesignSpark PCB Version 4.x or higher

Oct 6, 2014

22.5 MB

TARGET Library for WAGO PCB Terminal Blocks

1.1.0

zip

Download

Compatible with TARGET PCB Design Software Version 17.x

Oct 6, 2014

27.1 MB

EAGLE Library for WAGO PCB Terminal Blocks

2.1

zip

Download

Compatible with EAGLE PCB Design Software Version 6.x or higher

Oct 6, 2014

23.9 MB

Subject to changes.