

Data sheet | Item number: 805-106/000-006

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



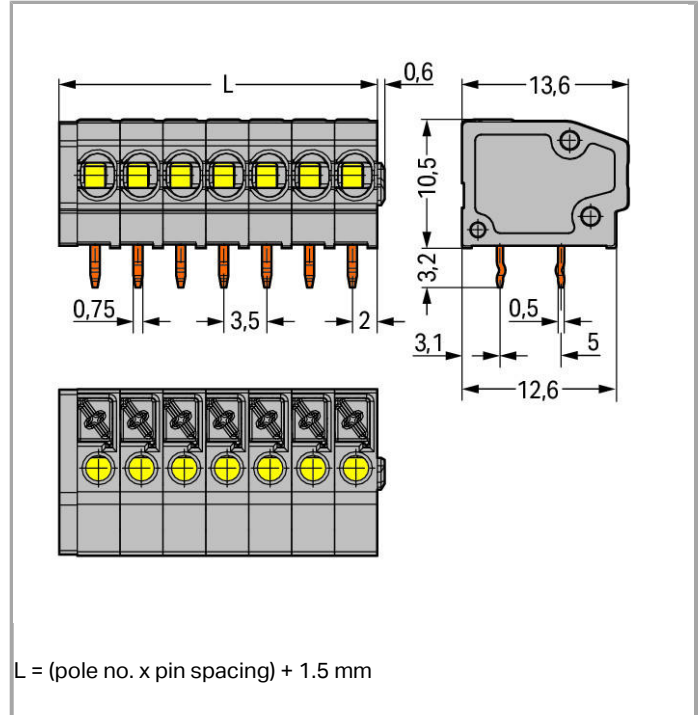
[www.wago.com/805-106/000-006](http://www.wago.com/805-106/000-006)



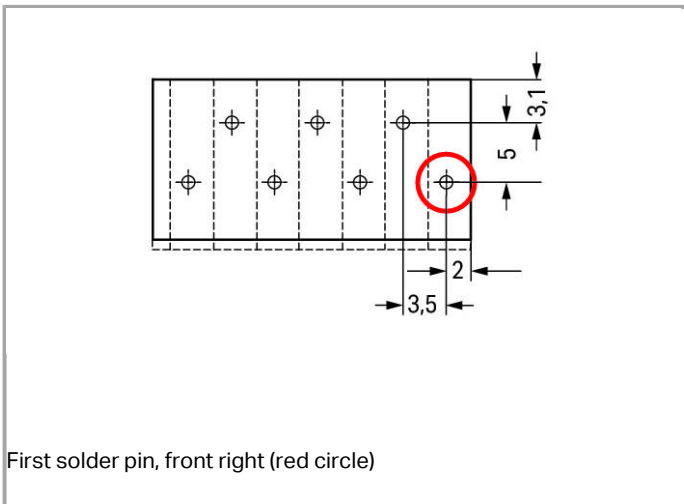
RoHS  
Compliant ✓

BOMcheck.net

Color: ■



$L = (\text{pole no.} \times \text{pin spacing}) + 1.5 \text{ mm}$



First solder pin, front right (red circle)

Item description

- PCB terminal strips with push-buttons and Push-in CAGE CLAMP® connection
- Push-in termination of solid and ferruled conductors
- Flush-mount push-buttons that close with minimal force for convenient termination/removal of fine-stranded conductors
- Convenient, tool-free operation



- Versions with/without test slots and spacers
- Versions available with custom internal commoning (factory assembly), e.g., commoning ground conductor

Other variants can be requested via the WAGO sales department or, if necessary, configured at <https://configurator.wago.com/>: Direct marking, Mixed-color terminal strips, Other colors, Other pole numbers

## Data

### Electrical data

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

|                                 |  |
|---------------------------------|--|
| Rated voltage (III / 3)         | 250 V  |
| Rated impulse voltage (III / 3) | 4 kV   |
| Rated voltage (III / 2)         | 320 V  |
| Rated impulse voltage (III / 2) | 4 kV   |
| Rated voltage (II / 2)          | 630 V  |
| Rated impulse voltage (II / 2)  | 4 kV   |
| Rated current                   | 17.5 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) | 10 A  |
| Rated voltage UL (Use Group C) | 150 V |
| Rated current UL (Use Group C) | 10 A  |
| Rated voltage UL (Use Group D) | 300 V |
| Rated current UL (Use Group D) | 10 A  |

### Connection data

|   |   |
|---|---|
| Connection technology                                       | Push-in CAGE CLAMP®                         |
| Actuation type  | Push-button                                 |
| Solid conductor   | 0.2 ... 1.5 mm <sup>2</sup> / 24 ... 16 AWG |
| Fine-stranded conductor                                     | 0.2 ... 1.5 mm <sup>2</sup> / 24 ... 16 AWG |
| Fine-stranded conductor with ferrule with plastic collar    | 0.25 ... 1 mm <sup>2</sup>                  |
| Fine-stranded conductor with ferrule without plastic collar | 0.25 ... 1 mm <sup>2</sup>                  |
| Strip length  | 9 ... 10 mm / 0.35 ... 0.39 Inch            |
| Conductor entry angle to the PCB                            | 0°  |
| No. of poles  | 6   |
| Total number of potentials                                  | 6   |
| Number of connection types                                  | 1   |
| Number of levels  | 1   |

|                      |   |
|----------------------|---|
| Number of test slots | 1 |
|----------------------|---|

### Geometrical Data

|                                   |                          |
|-----------------------------------|--------------------------|
| Pin spacing                       | 3.5 mm (0.138 inch)      |
| Width                             | 22.5 mm / 0.886 inch     |
| Height                            | 13.7 mm / 0.539 inch     |
| Height from the surface           | 10.5 mm / 0.413 inch     |
| Depth                             | 13.6 mm / 0.535 inch     |
| Solder pin length                 | 3.2 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, staggered |
| Number of solder pins per potential | 2   |

### Material Data

|                             |                                   |
|-----------------------------|-----------------------------------|
| Color                       | blue                              |
| 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 (Ecu)         |
| Contact plating             | tin-plated                        |
| Fire load                   | 0.059 MJ                          |
| Weight                      | 2.832 g                           |

### Environmental Requirements



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

### Commercial data

|                    |                     |
|--------------------|---------------------|
| Country of origin  | PL                  |
| GTIN               | 4050821525486       |
| Customs Tariff No. | 85369010000         |
| Product Group      | 4 (Printed Circuit) |

### Approvals / Certificates

#### Country specific Approvals




| Logo   | Approval                              | Certificate name |
|--|---------------------------------------|------------------|
|  | KEMA/KEUR<br>DEKRA Certification B.V. | 2160584.52       |
|  | KEMA/KEUR<br>DEKRA Certification B.V. | 2169331.13       |

## UL-Approvals







| Logo   | Approval                             | Certificate name |
|--|--------------------------------------|------------------|
|  | UR<br>Underwriters Laboratories Inc. | E45172, sec. 6   |











## Compatible products







## Marking accessories

|  |   |  |
|--|---|--|
|   | <b>Item no.: 210-332/350-202</b><br>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  | <a href="http://www.wago.com/210-332/350-202">www.wago.com/210-332/350-202</a> |
|  | <b>Item no.: 210-332/350-204</b><br>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 | <a href="http://www.wago.com/210-332/350-204">www.wago.com/210-332/350-204</a> |
|  | <b>Item no.: 210-332/350-206</b><br>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 | <a href="http://www.wago.com/210-332/350-206">www.wago.com/210-332/350-206</a> |

## ferrule

|  |  |  |
|--|--|--|
|  | <b>Item no.: 216-101</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / AWG 22; uninsulated; electro-tin plated  | <a href="http://www.wago.com/216-101">www.wago.com/216-101</a> |
|  | <b>Item no.: 216-102</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / AWG 20; uninsulated; electro-tin plated | <a href="http://www.wago.com/216-102">www.wago.com/216-102</a> |
|  | <b>Item no.: 216-103</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; uninsulated; electro-tin plated    | <a href="http://www.wago.com/216-103">www.wago.com/216-103</a> |
|  | <b>Item no.: 216-121</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / AWG 22; uninsulated; electro-tin plated  | <a href="http://www.wago.com/216-121">www.wago.com/216-121</a> |
|  | <b>Item no.: 216-122</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / AWG 20; uninsulated; electro-tin plated | <a href="http://www.wago.com/216-122">www.wago.com/216-122</a> |
|  | <b>Item no.: 216-123</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; uninsulated; electro-tin plated    | <a href="http://www.wago.com/216-123">www.wago.com/216-123</a> |
|  | <b>Item no.: 216-131</b>   |  |

|   |  |  |
|---|--|--|
|    | Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; uninsulated; electro-tin plated   | <a href="http://www.wago.com/216-131">www.wago.com/216-131</a> |
|    | <b>Item no.: 216-132</b><br>Ferrule; Sleeve for 0.34 mm <sup>2</sup> / AWG 24; uninsulated; electro-tin plated   | <a href="http://www.wago.com/216-132">www.wago.com/216-132</a> |
|    | <b>Item no.: 216-141</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / AWG 22; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92  | <a href="http://www.wago.com/216-141">www.wago.com/216-141</a> |
|    | <b>Item no.: 216-142</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / AWG 20; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92 | <a href="http://www.wago.com/216-142">www.wago.com/216-142</a> |
|    | <b>Item no.: 216-143</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92    | <a href="http://www.wago.com/216-143">www.wago.com/216-143</a> |
|    | <b>Item no.: 216-151</b><br>Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; uninsulated; electro-tin plated   | <a href="http://www.wago.com/216-151">www.wago.com/216-151</a> |
|    | <b>Item no.: 216-152</b><br>Ferrule; Sleeve for 0.34 mm <sup>2</sup> / AWG 24; uninsulated; electro-tin plated   | <a href="http://www.wago.com/216-152">www.wago.com/216-152</a> |
|    | <b>Item no.: 216-201</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / AWG 22; insulated; electro-tin plated  | <a href="http://www.wago.com/216-201">www.wago.com/216-201</a> |
|    | <b>Item no.: 216-202</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / AWG 20; insulated; electro-tin plated   | <a href="http://www.wago.com/216-202">www.wago.com/216-202</a> |
|   | <b>Item no.: 216-203</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated  | <a href="http://www.wago.com/216-203">www.wago.com/216-203</a> |
|  | <b>Item no.: 216-221</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / AWG 22; insulated; electro-tin plated  | <a href="http://www.wago.com/216-221">www.wago.com/216-221</a> |
|  | <b>Item no.: 216-222</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / AWG 20; insulated; electro-tin plated   | <a href="http://www.wago.com/216-222">www.wago.com/216-222</a> |
|  | <b>Item no.: 216-223</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated  | <a href="http://www.wago.com/216-223">www.wago.com/216-223</a> |
|  | <b>Item no.: 216-241</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / AWG 22; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90    | <a href="http://www.wago.com/216-241">www.wago.com/216-241</a> |
|  | <b>Item no.: 216-242</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / AWG 20; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90   | <a href="http://www.wago.com/216-242">www.wago.com/216-242</a> |
|  | <b>Item no.: 216-243</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90      | <a href="http://www.wago.com/216-243">www.wago.com/216-243</a> |
|  | <b>Item no.: 216-262</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / AWG 20; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90   | <a href="http://www.wago.com/216-262">www.wago.com/216-262</a> |
|  | <b>Item no.: 216-263</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90      | <a href="http://www.wago.com/216-263">www.wago.com/216-263</a> |
|  | <b>Item no.: 216-301</b><br>Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; insulated; electro-tin plated   | <a href="http://www.wago.com/216-301">www.wago.com/216-301</a> |

|  |  |  |
|--|--|--|
|  | <b>Item no.: 216-302</b><br>Ferrule; Sleeve for 0.34 mm <sup>2</sup> / AWG 24; insulated; electro-tin plated | <a href="http://www.wago.com/216-302">www.wago.com/216-302</a> |
|  | <b>Item no.: 216-321</b><br>Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; insulated; electro-tin plated | <a href="http://www.wago.com/216-321">www.wago.com/216-321</a> |
|  | <b>Item no.: 216-322</b><br>Ferrule; Sleeve for 0.34 mm <sup>2</sup> / AWG 24; insulated; electro-tin plated | <a href="http://www.wago.com/216-322">www.wago.com/216-322</a> |
| <b>tools</b>   |  |  |
|  | <b>Item no.: 210-647</b><br>Operating tool with partially insulated shaft; Blade (2.5 x 0.4) mm; short       | <a href="http://www.wago.com/210-647">www.wago.com/210-647</a> |
|  | <b>Item no.: 210-719</b><br>Operating tool with partially insulated shaft; Type 1, blade (2.5 x 0.4) mm      | <a href="http://www.wago.com/210-719">www.wago.com/210-719</a> |
| <b>check</b>   |  |  |
|  | <b>Item no.: 210-136</b><br>Test plug; 2 mm Ø; with 500 mm cable   | <a href="http://www.wago.com/210-136">www.wago.com/210-136</a> |

## Downloads

### smartDATA

#### PCB libraries

|   |                      |                |          |
|---|----------------------|----------------|----------|
| EAGLE Library for WAGO PCB Terminal Blocks<br>Compatible with EAGLE PCB Design Software Version 6.x or higher | 2.1<br>Nov 17, 2017  | ZIP<br>23.9 MB | Download |
| DesignSpark Library for WAGO PCB Terminal Blocks<br>Compatible with DesignSpark PCB Version 4.x or higher     | 2.1<br>Oct 6, 2014   | ZIP<br>22.5 MB | Download |
| TARGET Library for WAGO PCB Terminal Blocks<br>Compatible with TARGET PCB Design Software Version 17.x        | 1.1.0<br>Oct 6, 2014 | ZIP<br>27.1 MB | Download |

#### CAD data

|                             |     |          |
|-----------------------------|-----|----------|
| 3D Download 805-106/000-006 | URL | Download |
|-----------------------------|-----|----------|

Subject to changes.