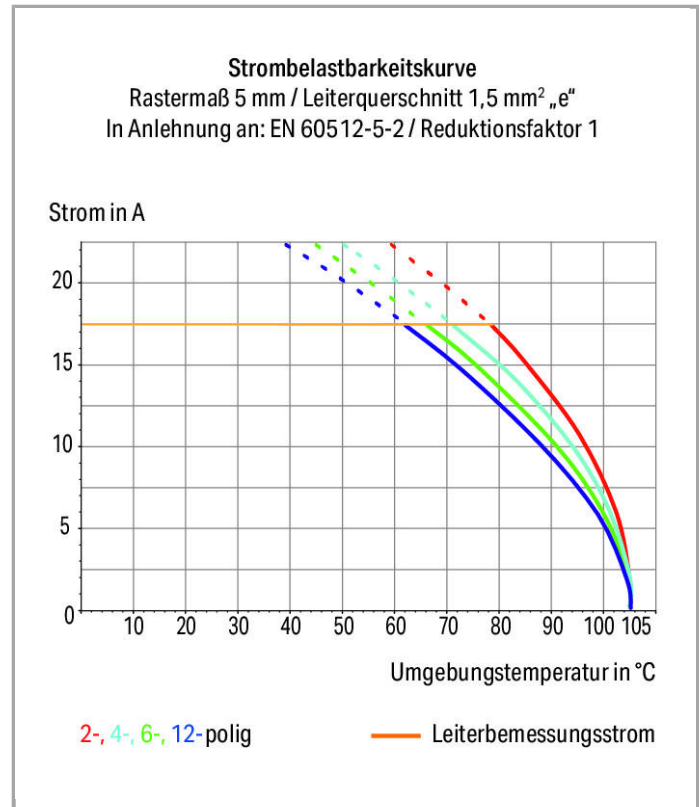
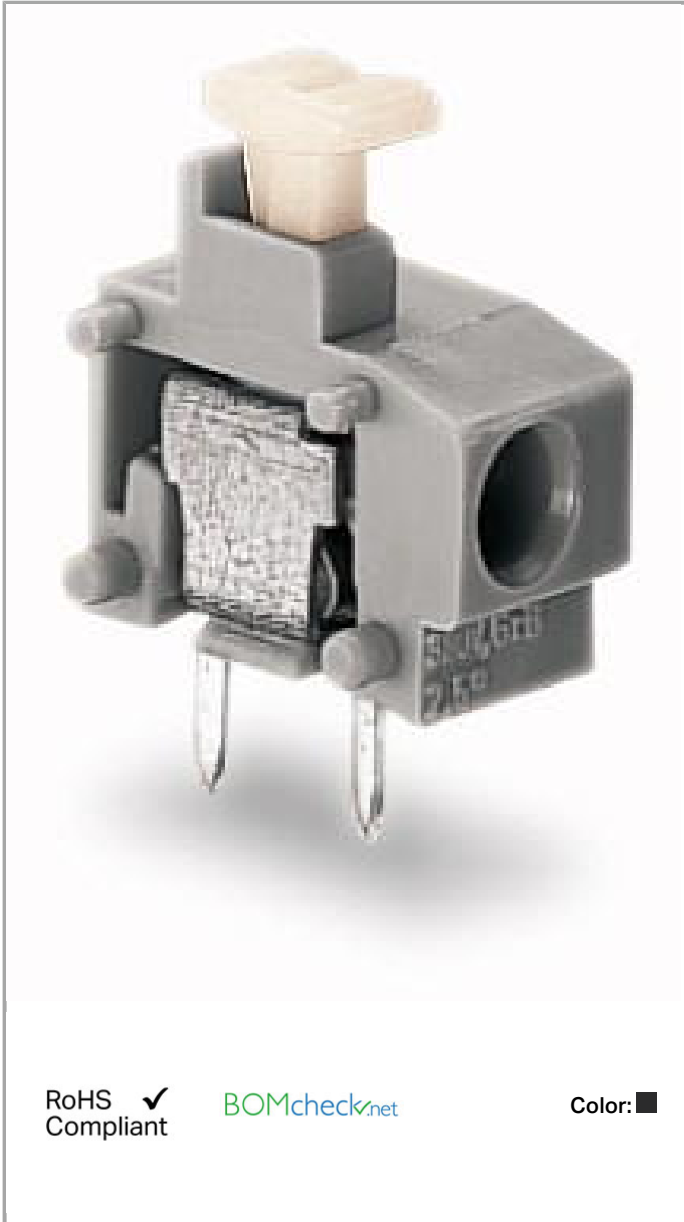


Data sheet | Item number: 235-758/331-000

Stackable PCB terminal block; Push-button; 1.5 mm<sup>2</sup>; Pin spacing 7.5/7.62 mm; 1-pole; Push-in CAGE CLAMP®



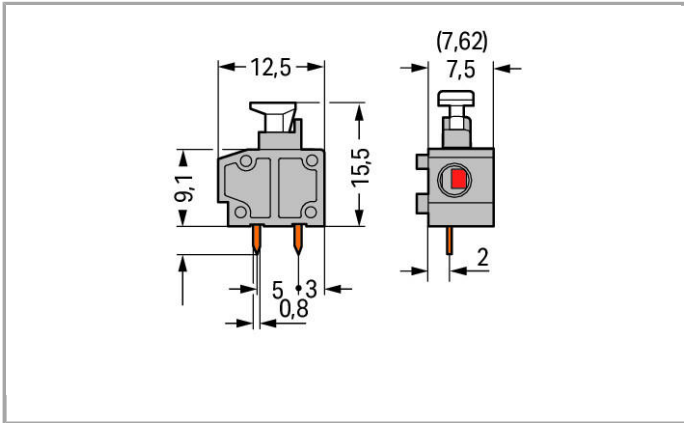
[www.wago.com/235-758/331-000](http://www.wago.com/235-758/331-000)



RoHS ✓  
Compliant

BOMcheck.net

Color: ■



### Item description

- Modular PCB terminal blocks with push-buttons for custom terminal strip assemblies
- Push-in terminations of solid and ferruled conductors
- Convenient termination/removal of fine-stranded conductors via push-buttons
- Set to metric or inch pin spacing by compressing terminal strips or pulling them apart

Other variants can be requested via the WAGO sales department or, if necessary, configured at <https://configurator.wago.com/>: Other colors, Versions for Ex i

### Data

#### Electrical data

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

|                                 |   |
|---------------------------------|---|
| Rated voltage (III / 3)         | 400 V   |
| Rated impulse voltage (III / 3) | 6 kV  |
| Rated voltage (III / 2)         | 630 V   |
| Rated impulse voltage (III / 2) | 6 kV  |
| Rated voltage (II / 2)          | 1000 V  |
| Rated impulse voltage (II / 2)  | 6 kV  |
| Rated current                   | 17.5 A  |
| Legend (ratings)                | (III / 2) ≙ 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 D) | 300 V |
| Rated current UL (Use Group D) | 10 A  |



## Approvals per CSA

|                                 |       |
|---------------------------------|-------|
| Rated voltage CSA (Use Group B) | 300 V |
| Rated current CSA (Use Group B) | 15 A  |

## Connection data

|   |  |
|---|--|
| Connection technology                                       | Push-in CAGE CLAMP®                          |
| Actuation type  | Push-button                                  |
| Solid conductor   | 0.2 ... 1.5 mm <sup>2</sup> / 20 ... 14 AWG  |
| Fine-stranded conductor                                     | 0.75 ... 1.5 mm <sup>2</sup> / 20 ... 14 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  | 1  |
| Total number of connection points                           | 1  |
| Total number of potentials                                  | 1  |
| Number of connection types                                  | 1  |
| Number of levels  | 1  |

## Geometrical Data

|                                   |                              |
|-----------------------------------|------------------------------|
| Pin spacing                       | 7.5/7.62 mm / 0.295/0.3 inch |
| Width                             | 9 mm / 0.354 inch            |
| Height                            | 19.1 mm / 0.752 inch         |
| Height from the surface           | 15.5 mm / 0.61 inch          |
| Depth                             | 12.5 mm / 0.492 inch         |
| Solder pin length                 | 3.6 mm                       |
| Solder pin dimensions             | 0.4 x 0.8 mm                 |
| Drilled hole diameter (tolerance) | 1 <sup>(+ 0.1)</sup> mm      |

## PCB contact

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

## Material Data

|                     |                      |
|---------------------|----------------------|
| Color               | black                |
| 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                   | 0.017 MJ                          |
| Weight                      | 0.868 g                           |

### Environmental Requirements

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

### Commercial data

|                    |                     |
|--------------------|---------------------|
| Country of origin  | CH                  |
| GTIN               | 4045454336714       |
| Customs Tariff No. | 85369010000         |
| Product Group      | 4 (Printed Circuit) |

### Approvals / Certificates

#### Country specific Approvals

| Logo   | Approval                                     | Certificate name |
|--|--|------------------|
|  | CCA<br>DEKRA Certification B.V.              | NTR NL-7144      |
|  | CCA<br>DEKRA Certification B.V.              | 2149549.02       |
|  | CCA<br>DEKRA Certification B.V.              | NTR NL-7625      |
|  | CCA<br>DEKRA Certification B.V.              | NTR NL 6919      |
|  | VDE<br>VDE Prüf- und Zertifizierungsinstitut | 40029328         |

#### Ship Approvals

| Logo | Approval   | Certificate name |
|------|--|------------------|
|      | DNV GL<br>Det Norske Veritas, Germanischer Lloyd | TAE000016Z       |



## Compatible products

### tools



**Item no.: 210-657**

Operating tool with partially insulated shaft; Blade (3.5 x 0.5) mm; short

[www.wago.com/210-657](http://www.wago.com/210-657)



**Item no.: 210-720**

Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm

[www.wago.com/210-720](http://www.wago.com/210-720)

### Marking accessories



**Item no.: 210-332/750-020**

Marking strips; as a DIN A4 sheet; MARKED; 1-20 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive

[www.wago.com/210-332/750-020](http://www.wago.com/210-332/750-020)



**Item no.: 210-332/762-020**

Marking strips; as a DIN A4 sheet; MARKED; 1-20 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive

[www.wago.com/210-332/762-020](http://www.wago.com/210-332/762-020)

### General accessories



**Item no.: 235-701**

Spacer; for doubling the pin spacing

[www.wago.com/235-701](http://www.wago.com/235-701)

### End plate



**Item no.: 235-100**

End plate; snap-fit type; 1 mm thick

[www.wago.com/235-100](http://www.wago.com/235-100)



**Item no.: 235-200**

End plate; snap-fit type; 1 mm thick

[www.wago.com/235-200](http://www.wago.com/235-200)



**Item no.: 235-300**

End plate; snap-fit type; 1 mm thick

[www.wago.com/235-300](http://www.wago.com/235-300)



**Item no.: 235-400**

End plate; snap-fit type; 1 mm thick

[www.wago.com/235-400](http://www.wago.com/235-400)



**Item no.: 235-500**

End plate; snap-fit type; 1 mm thick

[www.wago.com/235-500](http://www.wago.com/235-500)



**Item no.: 235-550**

End plate; snap-fit type; 1 mm thick

[www.wago.com/235-550](http://www.wago.com/235-550)



**Item no.: 235-600**

End plate; snap-fit type; 1 mm thick




















[www.wago.com/235-600](http://www.wago.com/235-600)















**Item no.: 235-650**

End plate; snap-fit type; 1 mm thick

[www.wago.com/235-650](http://www.wago.com/235-650)

|   |  |  |
|---|--|--|
|   | <b>Item no.: 235-700</b><br>End plate; snap-fit type; 1 mm thick   | <a href="http://www.wago.com/235-700">www.wago.com/235-700</a> |
|   | <b>Item no.: 235-800</b><br>End plate; snap-fit type; 1 mm thick   | <a href="http://www.wago.com/235-800">www.wago.com/235-800</a> |
|   | <b>Item no.: 235-850</b><br>End plate; snap-fit type; 1 mm thick   | <a href="http://www.wago.com/235-850">www.wago.com/235-850</a> |
| <b>ferrule</b>  |  |  |
|    | <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><br>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> |

## 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 |
| 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 |
| 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 |

#### CAD data



3D Download 235-758/331-000

URL

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Subject to changes.

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