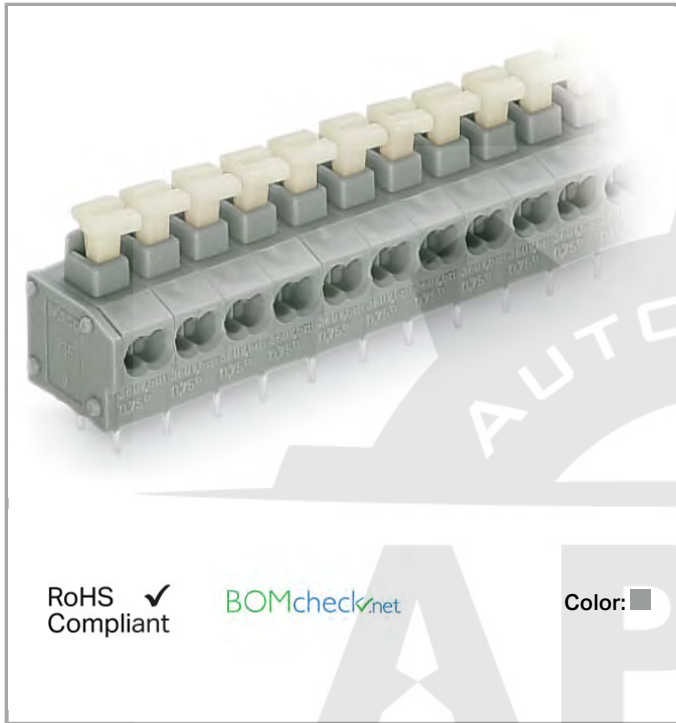


## Data sheet | Item number: 235-462/331-000

2-conductor PCB terminal block; push-button; 0.75 mm<sup>2</sup>; Pin spacing 5/5.08 mm; 12-pole; PUSH WIRE®



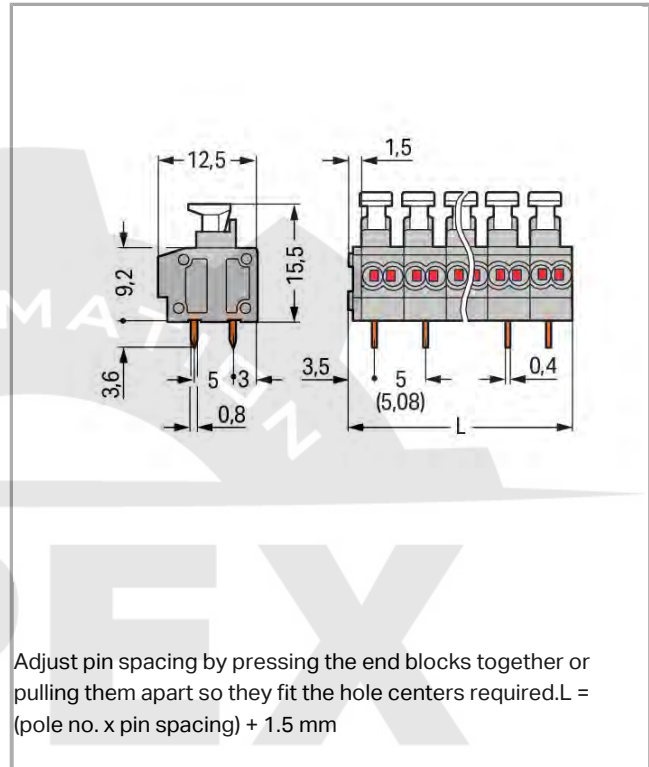
235-462/331-000



RoHS  
Compliant

BOMcheck.net

Color:



### Item description

- Terminal strips with push-buttons and PUSH WIRE® connection
- Double-conductor connection for commoning signals
- Simple push-in termination for solid conductors
- Easy conductor removal via push-button
- Set to metric or inch pin spacing by compressing terminal strips together or pulling them apart
- Also available with test slot

### 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                  | 10 A  |

### 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) | 10 A  |

### Connection data

|                                   |                                              |
|-----------------------------------|----------------------------------------------|
| Connection technology             | PUSH WIRE®                                   |
| Actuation type                    | Push-button                                  |
| Solid conductor                   | 0.2 ... 0.75 mm <sup>2</sup> / 24 ... 18 AWG |
| Strip length                      | 9 ... 10 mm / 0.35 ... 0.39 inch             |
| Conductor entry angle to the PCB  | 0°                                           |
| No. of poles                      | 12                                           |
| Total number of connection points | 24                                           |
| Total number of potentials        | 12                                           |
| Number of connection types        | 1                                            |
| Number of levels                  | 1                                            |

### Geometrical Data

|                                   |                                         |
|-----------------------------------|-----------------------------------------|
| Pin spacing                       | 5/5.08 mm / 0.197/0.2 inch              |
| Width                             | 61.5 mm / 2.421 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             | 0.8 x 0.4 mm                            |
| Drilled hole diameter (tolerance) | 1 <sup>-</sup> ... +0.1 <sup>+</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                   | 0.172 MJ                               |
| Weight                      | 9.346 g                                |

## Environmental Requirements

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

## Commercial data

|                    |                     |
|--------------------|---------------------|
| Product Group      | 4 (Printed Circuit) |
| Country of origin  | CH                  |
| GTIN               | 4044918656429       |
| Customs Tariff No. | 85369010000         |

## Approvals / Certificates

### Country specific Approvals

| Logo                                                                               | Approval                        | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|---------------------------------|--------------------------|------------------|
|  | CCA<br>DEKRA Certification B.V. | EN 60947                 | NTR NL-7144      |
|  | CCA<br>DEKRA Certification B.V. | EN 60998                 | NTR NL-6919      |
|  | CCA<br>DEKRA Certification B.V. | EN 60947                 | 2149549.02       |
|  | CSA<br>DEKRA Certification B.V. | -                        | 1673956          |



VDE  
VDE Prüf- und Zertifizierungsinstitut

EN 60947

40029328

## UL-Approvals

| Logo                                                                             | Approval                            | Additional Approval Text | Certificate name |
|----------------------------------------------------------------------------------|-------------------------------------|--------------------------|------------------|
|  | UL<br>UL International Germany GmbH | -                        | E45172<br>sec. 6 |

## Compatible products

### ferrule

|                                                                                    |                                                                                                                                                                                       |         |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
|    | <b>Item no.: 216-101</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / AWG 22; uninsulated; electro-tin plated                                                                         | 216-101 |
|    | <b>Item no.: 216-121</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / AWG 22; uninsulated; electro-tin plated                                                                         | 216-121 |
|  | <b>Item no.: 216-131</b><br>Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; uninsulated; electro-tin plated                                                                        | 216-131 |
|  | <b>Item no.: 216-132</b><br>Ferrule; Sleeve for 0.34 mm <sup>2</sup> / AWG 24; uninsulated; electro-tin plated                                                                        | 216-132 |
|  | <b>Item no.: 216-141</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92 | 216-141 |
|  | <b>Item no.: 216-151</b><br>Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; uninsulated; electro-tin plated                                                                        | 216-151 |
|  | <b>Item no.: 216-152</b><br>Ferrule; Sleeve for 0.34 mm <sup>2</sup> / AWG 24; uninsulated; electro-tin plated                                                                        | 216-152 |
|  | <b>Item no.: 216-201</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; insulated; electro-tin plated                                                                           | 216-201 |
|  | <b>Item no.: 216-221</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; insulated; electro-tin plated                                                                           | 216-221 |
|  | <b>Item no.: 216-241</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90   | 216-241 |
|                                                                                    | <b>Item no.: 216-301</b><br>Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; insulated; electro-tin plated                                                                          | 216-301 |
|  | <b>Item no.: 216-302</b><br>Ferrule; Sleeve for 0.34 mm <sup>2</sup> / 22 AWG; insulated; electro-tin plated                                                                          | 216-302 |
|                                                                                    | <b>Item no.: 216-321</b>                                                                                                                                                              | 216-321 |

Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; insulated; electro-tin plated

Item no.: 216-322

Ferrule; Sleeve for 0.34 mm<sup>2</sup> / 22 AWG; insulated; electro-tin plated

216-322

## Downloads

## CAD/CAE - Smart Data

## PCB libraries

|                                                                                                               |                      |                |          |
|---------------------------------------------------------------------------------------------------------------|----------------------|----------------|----------|
| 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 |
| EAGLE Library for WAGO PCB Terminal Blocks<br>Compatible with EAGLE PCB Design Software Version 6.x or higher | 2.1<br>Oct 6, 2014   | 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 |

## CAD data

|                             |     |          |
|-----------------------------|-----|----------|
| 3D Download 235-462/331-000 | URL | Download |
|-----------------------------|-----|----------|

Subject to changes.