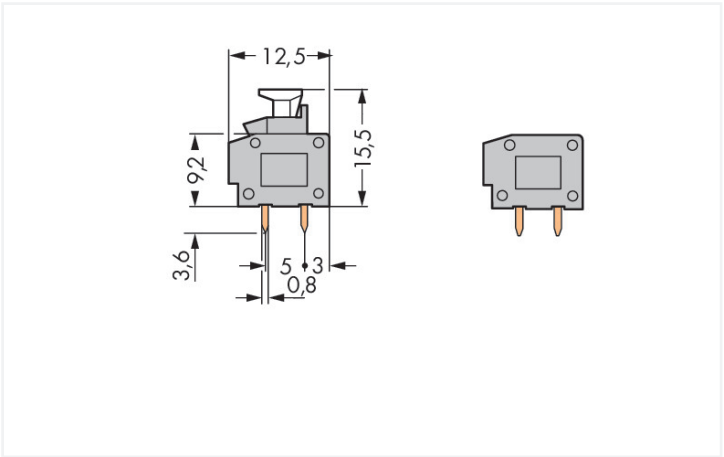




Color: ■ gray                      Similar to illustration                      Dimensions in mm

PCB terminal block, 235 Series, push-button

Our PCB terminal block (item number 235-851/333-000) simplifies electrical installations. 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. Ensure that the strip lengths are between 9 and 10 mm when connecting conductors to this PCB terminal block. This product incorporates one conductor terminal and utilizes PUSH WIRE®. Our PUSH WIRE® connection uses the stiffness of the conductor to overcome the clamping spring's contact force, allowing you to clamp the conductor in place more quickly and easily. The item's dimensions are (11.5 x 19.1 x 12.5) mm (width x height x depth). This PCB terminal block is suitable for conductor cross sections ranging from 0.2 mm² to 0.75 mm².

Tin is used for coating the contact surfaces. This PCB terminal block is operated with a push-button. The PCB terminal block is designed for THT soldering. Insert the conductor into the board at an angle of 0°..

| Notes     |                                                                                                                                                                              |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Variants: | Other colors<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                 |  | 630 V          | 500 V | 1000 V |
| Rated impulse withstand voltage |  | 8 kV           | 6 kV  | 6 kV   |
| Rated current                   |  | 10 A           | 10 A  | 10 A   |
| Approvals per                   |  | UL 1059        |       |        |
| Use group                       |  | B              | C     | D      |
| Rated voltage                   |  | 300 V          | -     | 300 V  |
| Rated current                   |  | 10 A           | -     | 10 A   |



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

| Connection Data            |   |                                       |                                    |
|----------------------------|---|---------------------------------------|------------------------------------|
| Clamping units             | 2 | Connection 1                          |                                    |
| Total number of potentials | 1 | Connection technology                 | PUSH WIRE®                         |
| Number of connection types | 1 | Actuation type                        | Push-button                        |
| Number of levels           | 1 | Solid conductor                       | 0.2 ... 0.75 mm² / 24 ... 18 AWG   |
|                            |   | Strip length                          | 9 ... 10 mm / 0.35 ... 0.39 inches |
|                            |   | Conductor connection direction to PCB | 0 °                                |
|                            |   | Pole number                           | 1                                  |

| Physical data           |                                |
|-------------------------|--------------------------------|
| Pin spacing             | 10/10.16 mm / 0.394/0.4 inches |
| Width                   | 11.5 mm / 0.453 inches         |
| Height                  | 19.1 mm / 0.752 inches         |
| Height from the surface | 15.5 mm / 0.61 inches          |
| Depth                   | 12.5 mm / 0.492 inches         |
| Solder pin length       | 3.6 mm                         |
| Solder pin dimensions   | 0.8 x 0.4 mm                   |
| !                       | 1 (+0.1) mm                    |

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

| Material data                      |                                                                          |
|------------------------------------|--------------------------------------------------------------------------|
| Note (material data)               | <a href="#">Information on material specifications can be found here</a> |
| Color                              | gray                                                                     |
| Material group                     | I                                                                        |
| Insulation material (main housing) | Polyamide (PA66)                                                         |
| Flammability class per UL94        | V0                                                                       |
| Clamping spring material           | Chrome-nickel spring steel (CrNi)                                        |
| Contact material                   | Electrolytic copper (E <sub>Cu</sub> )                                   |
| Contact Plating                    | Tin                                                                      |
| Fire load                          | 0.019 MJ                                                                 |
| Weight                             | 1 g                                                                      |



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

| Commercial data   |                                |
|-------------------|--------------------------------|
| Product Group     | 4 (Printed Circuit Connectors) |
| PU (SPU)          | 400 (100) pcs                  |
| Packaging type    | Box                            |
| Country of origin | CN                             |
| GTIN              | 4044918833783                  |

| 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



| Approval                        | Standard | Certificate Name |
|---------------------------------|----------|------------------|
| CSA<br>DEKRA Certification B.V. | C22.2    | 1673956          |

| Downloads                                           |  |
|-----------------------------------------------------|--|
| Environmental Product Compliance                    |  |
| Compliance Search                                   |  |
| Environmental Product Compliance<br>235-851/333-000 |  |

Documentation

| Additional Information |            |                   |                                                                                   |
|------------------------|------------|-------------------|-----------------------------------------------------------------------------------|
| Technical Section      | 03.04.2019 | pdf<br>2027.26 KB |  |

CAD/CAE-Data

| CAE data                                                                                                               | PCB Design                                                                                                                                         |
|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| EPLAN Data Portal<br>235-851/333-000  | Symbol and Footprint<br>via SamacSys<br>235-851/333-000         |
|                                                                                                                        | Symbol and Footprint<br>via Ultra Librarian<br>235-851/333-000  |

1 Compatible Products

1.1 Required Accessories

1.1.1 End plate

1.1.1.1 End plate



**Item No.: 235-100**  
End plate; snap-fit type; 1 mm thick; gray

1.2 Optional Accessories

1.2.1 Ferrule

1.2.1.1 Ferrule



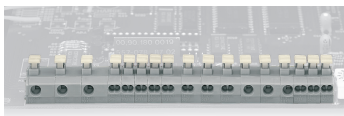
**Item No.: 216-241**  
Ferrule; Sleeve for 0.5 mm² / 20 AWG; in-  
sulated; electro-tin plated; electrolytic  
copper; gastight crimped; acc. to DIN  
46228, Part 4/09.90; white



**Item No.: 216-141**  
Ferrule; Sleeve for 0.5 mm² / 20 AWG; un-  
insulated; electro-tin plated; electrolytic  
copper; gastight crimped; acc. to DIN  
46228, Part 1/08.92

Installation Notes

Installation



Combining 1- and 2-conductor terminal  
blocks with different pin spacing.