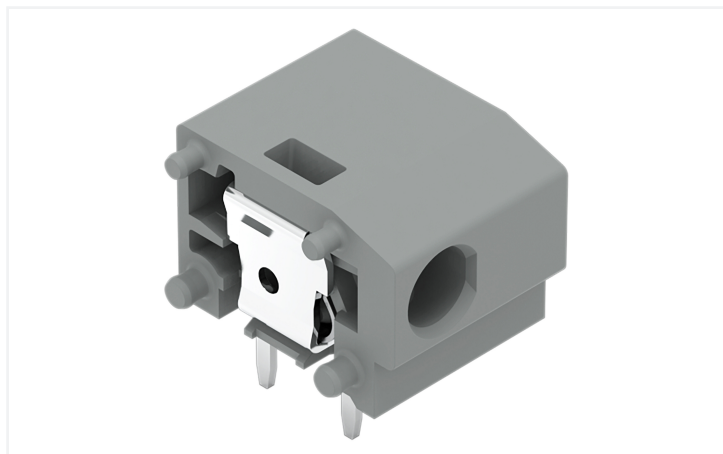


## Data Sheet | Item Number: 235-762

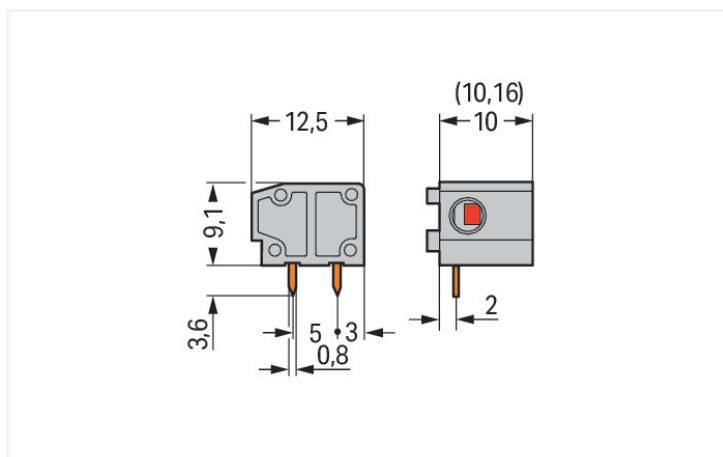
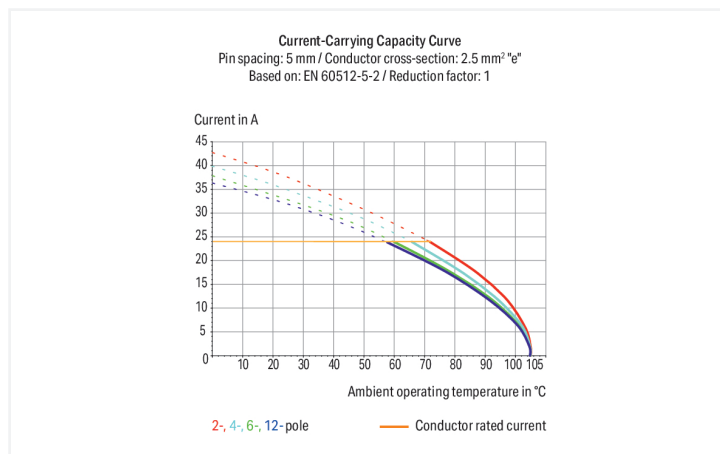
Stackable PCB terminal block; 2.5 mm<sup>2</sup>; Pin spacing 10/10.16 mm; 1-pole; PUSH WIRE®; dark gray

<https://www.wago.com/235-762>



Color: ■ dark gray

Similar to illustration



Dimensions in mm

### PCB terminal block, 235 Series, PUSH WIRE®

Easily, quickly and safely connect conductors with this PCB terminal block (item number 235-762). It is perfect for custom installations with different mounting types. Strip lengths must be between 9 and 10 mm when connecting conductors to this PCB terminal block. Featuring one conductor terminal along with PUSH WIRE®, this product outperforms the competition. Our PUSH WIRE® connection is the quick and easy method for connecting solid conductors. The dimensions are (11.5 x 12.8 x 12.5) mm (width x height x depth). This PCB terminal block is suitable for conductor cross sections ranging from 0.5 mm<sup>2</sup> to 2.5 mm<sup>2</sup>.

The contact surface is coated with tin. An operating tool is used to operate this PCB terminal block. THT is used to assemble the PCB terminal block. The conductor is designed to be inserted into the board at an angle of 0°.



| Notes     |                                                                                                                                                                                                   |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Variants: | Other colors<br>Versions for Ex i<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 | 1000 V         | 1000 V |  |
| Rated impulse withstand voltage | 8 kV  | 8 kV           | 8 kV   |  |
| Rated current                   | 24 A  | 24 A           | 24 A   |  |

| Approvals per |       | UL 1059 |       |  |
|---------------|-------|---------|-------|--|
| Use group     | B     | C       | D     |  |
| Rated voltage | 300 V | -       | 300 V |  |
| Rated current | 10 A  | -       | 10 A  |  |

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

| Connection data            |   |
|----------------------------|---|
| Clamping units             | 1 |
| Total number of potentials | 1 |
| Number of connection types | 1 |
| Number of levels           | 1 |

| Connection 1                                      |                                    |
|---------------------------------------------------|------------------------------------|
| Connection technology                             | PUSH WIRE®                         |
| Actuation type                                    | Operating tool                     |
| Solid conductor                                   | 0.5 ... 2.5 mm² / 20 ... 14 AWG    |
| Fine-stranded conductor; with insulated ferrule   | 0.25 ... 1.5 mm²                   |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 ... 1.5 mm²                   |
| 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                               | 12.8 mm / 0.504 inches         |
| Height from the surface              | 9.2 mm / 0.362 inches          |
| Depth                                | 12.5 mm / 0.492 inches         |
| Solder pin length                    | 3.6 mm                         |
| Solder pin dimensions                | 0.8 x 0.4 mm                   |
| Drilled hole diameter with tolerance | 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                              |  | dark 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     |  | CH                             |
| GTIN                  |  | 4044918832724                  |
| Customs tariff number |  | 85369010000                    |

| 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                                   |  |  |
|------------------------------------------------------------|--|--|
| Declarations of conformity and manufacturer's declarations |  |  |

| Approval                                                | Standard | Certificate Name |
|---------------------------------------------------------|----------|------------------|
| EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG | -        | -                |
| UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG | -        | -                |

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 235-762

↓

Documentation

Additional Information

Technical Section

03.04.2019

pdf

2027.26 KB

↓

CAD/CAE-Data

CAD data

2D/3D Models 235-762

↓

CAE data

EPLAN Data Portal 235-762

↓

ZUKEN Portal 235-762

↓

PCB Design

Symbol and Footprint via SamacSys 235-762

↓

Symbol and Footprint via Ultra Librarian 235-762

↓

1 Compatible Products

1.1 Required Accessories

1.1.1 End plate

1.1.1.1 End plate



Item No.: 235-500

End plate; snap-fit type; 1 mm thick; black



Item No.: 235-400

End plate; snap-fit type; 1 mm thick; blue



Item No.: 235-200

End plate; snap-fit type; 1 mm thick; dark gray



Item No.: 235-100

End plate; snap-fit type; 1 mm thick; gray



Item No.: 235-300

End plate; snap-fit type; 1 mm thick; light gray



Item No.: 235-700

End plate; snap-fit type; 1 mm thick; light green



Item No.: 235-600

End plate; snap-fit type; 1 mm thick; orange



Item No.: 235-800

End plate; snap-fit type; 1 mm thick; red



Item No.: 235-650

End plate; snap-fit type; 1 mm thick; violet



Item No.: 235-850

End plate; snap-fit type; 1 mm thick; white



Item No.: 235-550

End plate; snap-fit type; 1 mm thick; yellow



1.1.2 Installation

1.1.2.1 Intermediate plate



**Item No.: 235-701**  
Spacer; for doubling the pin spacing; 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; insulated; 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



**Item No.: 216-242**  
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



**Item No.: 216-262**  
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



**Item No.: 216-142**  
Ferrule; Sleeve for 0.75 mm² / 18 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92



**Item No.: 216-243**  
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



**Item No.: 216-263**  
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



**Item No.: 216-143**  
Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92



**Item No.: 216-244**  
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



**Item No.: 216-264**  
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



**Item No.: 216-284**  
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



**Item No.: 216-144**  
Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-colored

1.2.2 Marking

1.2.2.1 Marking strip



**Item No.: 210-332/1000-202**  
Marking strips; as a DIN A4 sheet; MARKED; 1-16 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white



**Item No.: 210-332/1016-202**  
Marking strips; as a DIN A4 sheet; MARKED; 1-16 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white



**Item No.: 210-332/1000-204**  
Marking strips; as a DIN A4 sheet; MARKED; 17-31 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white



**Item No.: 210-332/1016-204**  
Marking strips; as a DIN A4 sheet; MARKED; 17-31 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white



**Item No.: 210-332/1000-206**  
Marking strips; as a DIN A4 sheet; MARKED; 33-48 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white



**Item No.: 210-332/1016-206**  
Marking strips; as a DIN A4 sheet; MARKED; 33-48 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white

1.2.3 Tool

1.2.3.1 Operating tool



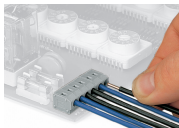
**Item No.: 210-719**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

**Item No.: 210-648**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short

**Item No.: 210-647**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured

Installation Notes

Conductor termination



Inserting a solid conductor via push-in termination.

Conductor removal



Removing a conductor via screwdriver (2.5 mm blade width).