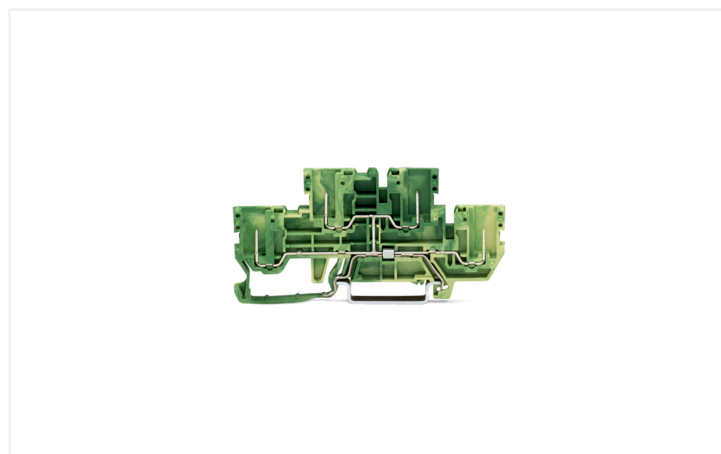
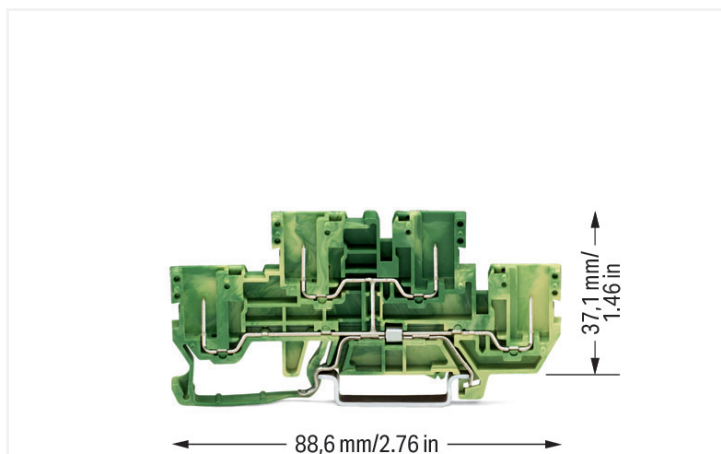


## Data Sheet | Item Number: 870-157

4-pin, double-deck carrier terminal block; 4-pin ground conductor terminal block; PE; internal commoning; for DIN-rail 35 x 15 and 35 x 7.5; green-yellow

<https://www.wago.com/870-157>



Color: ■ green-yellow

Double-deck terminal block, 870 Series, green-yellow

Fault-free electrical installations are guaranteed with this double-deck terminal block (item number 870-157). Pluggable rail-mount terminal blocks are primarily found in switchgear units and control systems, most notably in railroad technology. These innovative systems combine the benefits of rail-mount terminal blocks and connectors for a flexible and reliable wiring system. You also have the option of pre-assembling installations, which not only makes production but also installation, operation, and maintenance more efficient and cost-effective. The double-deck terminal block also serves as a ground terminal block.

An operating tool is used to operate this pluggable rail-mount terminal block.

### Notes

Safety Information

2-conductor female plugs cannot be used.

### Electrical data

#### Ratings per IEC/EN

|   |      |
|---|------|
| Rated impulse withstand voltage (III/2) | 6 kV |
| Rated current                           | 16 A |

#### General information

|                  |                    |
|------------------|--------------------|
| Wiring direction | Front-entry wiring |
|------------------|--------------------|

### Connection Data

|                            |   |
|----------------------------|---|
| Total number of potentials | 1 |
| Number of levels           | 2 |

#### Connection 1

|                  |                    |
|------------------|--------------------|
| Actuation type   | Operating tool     |
| Wiring direction | Front-entry wiring |

### Physical data

|                                   |                        |
|-----------------------------------|------------------------|
| Width                             | 5 mm / 0.197 inches    |
| Height                            | 88.6 mm / 3.488 inches |
| Depth from upper-edge of DIN-rail | 37.1 mm / 1.461 inches |

### Mechanical data

|                   |                 |
|-------------------|-----------------|
| Potential marking | PE              |
| Design            | horizontal type |
| Mounting type     | DIN-35 rail     |
| Marking level     | Side marking    |

### Material data

|                                    |  |
|------------------------------------|--|
| Note (material data)               | <a href="#">Information on material specifications can be found here</a> |
| Color                              | green-yellow   |
| Material group                     | I  |
| Insulation material (main housing) | Polyamide (PA66)   |
| Flammability class per UL94        | V0   |
| Fire load                          | 0.186 MJ   |
| Weight                             | 11.8 g   |

### Environmental requirements

|                                  |                 |
|----------------------------------|-----------------|
| Processing temperature           | -35 ... +85 °C  |
| Continuous operating temperature | -60 ... +105 °C |

### Commercial data

|                       |  |
|-----------------------|--|
| Product Group         | 16 (Rail Mounted Terminal Blocks with CCC) |
| PU (SPU)              | 50 pcs                                     |
| Packaging type        | Box  |
| Country of origin     | DE   |
| GTIN                  | 4045454397296                              |
| Customs tariff number | 85369010000                                |

### Product Classification

|             |                      |
|-------------|----------------------|
| UNSPSC      | 39121410             |
| eCl@ss 10.0 | 27-14-11-41          |
| eCl@ss 9.0  | 27-14-11-41          |
| ETIM 9.0    | EC000901             |
| ETIM 10.0   | EC000901             |
| ECCN        | NO US CLASSIFICATION |

### Environmental Product Compliance

|                        |                         |
|------------------------|-------------------------|
| RoHS Compliance Status | Compliant, No Exemption |
|------------------------|-------------------------|

**Approvals / Certificates**

**General approvals**



| Approval                               | Standard | Certificate Name |
|--|----------|------------------|
| CCA<br>DEKRA Certification B.V.        | EN 60947 | NTR NL 7468      |
| CCA<br>DEKRA Certification B.V.        | EN 60947 | 2189801.01       |
| cURus<br>UL International Germany GmbH | UL 1059  | E45172           |

**Declarations of conformity and manufacturer's declarations**



| Approval   | Standard | Certificate Name |
|--|----------|------------------|
| EU-Declaration of Conformity<br>WAGO GmbH & Co. KG | -        | -                |
| Railway<br>WAGO GmbH & Co. KG                      | -        | Z00004430.000    |
| UK-Declaration of Conformity<br>WAGO GmbH & Co. KG | -        | -                |

**Approvals for marine applications**



| Approval   | Standard | Certificate Name  |
|--|----------|-------------------|
| ABS<br>American Bureau of Shipping               | -        | 24-0152298-PDA    |
| DNV GL<br>Det Norske Veritas, Germanischer Lloyd | -        | TAE00001V2        |
| PRS<br>Polski Rejestr Statków                    | -        | TE/1094/880590/23 |

**Downloads**





**Environmental Product Compliance**

| Compliance Search                        |                   |
|--|-------------------|
| Environmental Product Compliance 870-157 | <a href="#">↓</a> |

**Documentation**

| Bid Text |            |                 |                   |
|----------|------------|-----------------|-------------------|
| 870-157  | 19.02.2019 | xml<br>2.89 KB  | <a href="#">↓</a> |
| 870-157  | 04.10.2017 | doc<br>23.50 KB | <a href="#">↓</a> |

## CAD/CAE-Data

| CAD data   | CAE data  |
|--|---|
| 2D/3D Models 870-157  | EPLAN Data Portal 870-157  |
|  | WSCAD Universe 870-157     |
|  | ZUKEN Portal 870-157       |

## 1 Compatible Products

### 1.1 System counterpart

#### 1.1.1 Female connector/socket



**Item No.: 769-101/022-016**

1-conductor female connector, angled; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 1-pole; coding finger; 4,00 mm²; green-yellow

**Item No.: 769-101/000-016**

1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 1-pole; coding finger; 4,00 mm²; green-yellow

### 1.2 Required Accessories

#### 1.2.1 End plate

##### 1.2.1.1 End plate



**Item No.: 870-168**

End and intermediate plate; 1 mm thick; gray

**Item No.: 870-169**

End and intermediate plate; 1 mm thick; orange

### 1.3 Optional Accessories

#### 1.3.1 Coding

##### 1.3.1.1 Coding



**Item No.: 769-435**

Coding pin; for coding of female plugs; for carrier terminal blocks / male connectors; orange

### 1.3.2 Cover

#### 1.3.2.1 Cover



**Item No.: 769-438**

Pin cover; with marker slot for miniature WSB; gray



**Item No.: 769-439**

Pin cover; with marker slot for miniature WSB; orange

### 1.3.3 DIN-rail

#### 1.3.3.1 Mounting accessories



**Item No.: 210-196**

Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored



**Item No.: 210-198**

Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored



**Item No.: 210-508**

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-colored



**Item No.: 210-197**

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored



**Item No.: 210-506**

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715; silver-colored



**Item No.: 210-114**

Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored



**Item No.: 210-118**

Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored



**Item No.: 210-115**

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm; silver-colored



**Item No.: 210-112**

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm; silver-colored



**Item No.: 210-504**

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; silver-colored



**Item No.: 210-113**

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored



**Item No.: 210-505**

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715; silver-colored

### 1.3.4 Installation

#### 1.3.4.1 Mounting accessories



**Item No.: 209-106**

Mounting carrier; for isolated mounting on DIN 35 rails; gray



**Item No.: 249-116**

Screwless end stop; 6 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

### 1.3.5 Jumper

#### 1.3.5.1 Jumper



**Item No.: 870-407/011-000**



**Item No.: 870-409/011-000**



**Item No.: 870-406/020-000**

Delta jumper; insulated; light gray



**Item No.: 870-410**

Jumper; 10-way; insulated; light gray



**Item No.: 870-402**

Jumper; 2-way; insulated; light gray



**Item No.: 870-403**

Jumper; 3-way; insulated; light gray



**Item No.: 870-404**

Jumper; 4-way; insulated; light gray



**Item No.: 870-405**

Jumper; 5-way; insulated; light gray



**Item No.: 870-406**

Jumper; 6-way; insulated; light gray



**Item No.: 870-407**

Jumper; 7-way; insulated; light gray



**Item No.: 870-408**

Jumper; 8-way; insulated; light gray



**Item No.: 870-409**

Jumper; 9-way; insulated; light gray



**Item No.: 870-440**

Jumper; from 1 to 10; insulated; light gray



**Item No.: 870-433**

Jumper; from 1 to 3; insulated; light gray



**Item No.: 870-434**

Jumper; from 1 to 4; insulated; light gray



**Item No.: 870-435**

Jumper; from 1 to 5; insulated; light gray

### 1.3.5.1 Jumper



**Item No.:** [870-405/011-000](#)

Jumper; insulated; light gray

### 1.3.6 Marking

#### 1.3.6.1 Group marker carrier



**Item No.:** [870-182](#)

Adaptor; gray



**Item No.:** [870-183](#)

Adaptor; gray



**Item No.:** [870-184](#)

Adaptor; gray

#### 1.3.6.2 Marker



**Item No.:** [2009-145](#)

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white



**Item No.:** [248-501](#)

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white



**Item No.:** [793-5501](#)

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white



**Item No.:** [793-501](#)

WMB marking card; as card; not stretchable; plain; snap-on type; white



**Item No.:** [2009-115](#)

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

#### 1.3.6.3 Marker carrier



**Item No.:** [2009-198](#)

Adaptor; gray

### 1.3.7 Test and measurement

#### 1.3.7.1 Testing accessories



**Item No.:** [870-427](#)

Spacer module; modular; bridging commoned terminal blocks; gray



**Item No.:** [870-426](#)

Tap-off module; modular; suitable for 870 Series terminal blocks with jumper slots in the current bar; gray



**Item No.:** [870-425](#)

Tap-off module; with anti-rotation protection; modular; suitable for 870 Series terminal blocks with jumper slots in the current bar; gray

## 1.3.8 Tool

### 1.3.8.1 Operating tool



**Item No.: 210-720**

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured