

## Data Sheet | Item Number: 2007-8875

Compact terminal block; for current transformer circuit; 6,00 mm<sup>2</sup>; multicoloured

<https://www.wago.com/2007-8875>



Color:  multi-colored

Current transformer terminal block, 2007 Series, multi-colored

Our current transformer terminal block (item number 2007-8875) is designed for seamless electrical installations. Conductors can only be connected to this current transformer terminal block if their strip length is between 13 and 15 mm. This product features conductor terminals and utilizes Push-in CAGE CLAMP®. Our Push-in CAGE CLAMP® is a universal, maintenance-free connection solution for all conductor types, boasting a key feature: It allows direct insertion of both solid and fine-stranded conductors with ferrules without needing tools. No preparation is required; for example, crimping the conductor's ferrule is not necessary. This current transformer terminal block is suitable for conductor cross sections ranging from 0.5 mm<sup>2</sup> to 10 mm<sup>2</sup>.

### Electrical data

#### Ratings per IEC/EN

|   |   |
|---|---|
| Nominal voltage (III/3)                   | 500 V   |
| Rated impulse withstand voltage (III / 3) | 6 kV  |
| Legend (ratings)                          | (III / 3) Δ Overvoltage category III / Pollution degree 3 |

#### General information

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

### Connection Data

|                  |   |
|------------------|---|
| Number of levels | 1 |
|------------------|---|

#### Connection 1

|  |   |
|--|---|
| Connection technology                                      | Push-in CAGE CLAMP®                       |
| Actuation type   | Operating tool                            |
| Connectable conductor materials                            | Copper                                    |
| Nominal cross-section                                      | 6 mm <sup>2</sup> / 10 AWG                |
| Solid conductor  | 0.5 ... 10 mm <sup>2</sup> / 20 ... 8 AWG |
| Solid conductor; push-in termination                       | 1 ... 10 mm <sup>2</sup> / 14 ... 8 AWG   |
| Fine-stranded conductor                                    | 0.5 ... 10 mm <sup>2</sup> / 20 ... 8 AWG |
| Fine-stranded conductor; with insulated ferrule            | 0.5 ... 6 mm <sup>2</sup> / 20 ... 10 AWG |
| Fine-stranded conductor; with uninsulated ferrule          | 1.5 ... 6 mm <sup>2</sup> / 16 ... 10 AWG |
| Fine-stranded conductor; with ferrule; push-in termination | 2.5 ... 6 mm <sup>2</sup> / 16 ... 10 AWG |
| Strip length   | 13 ... 15 mm / 0.51 ... 0.59 inches       |
| Wiring direction   | Front-entry wiring                        |

### Physical data

|                                   |                        |
|-----------------------------------|------------------------|
| Width                             | 69.5 mm / 2.736 inches |
| Height                            | 99.6 mm / 3.921 inches |
| Depth from upper-edge of DIN-rail | 65.3 mm / 2.571 inches |
| Module width                      | 8 mm / 0.315 inches    |

### Mechanical data

|               |                     |
|---------------|---------------------|
| Mounting type | DIN-35 rail         |
| Marking level | Center/side marking |

### Material data

|                                    |  |
|------------------------------------|--|
| Note (material data)               | <a href="#">Information on material specifications can be found here</a> |
| Color                              | multi-colored  |
| Material group                     | I  |
| Insulation material (main housing) | Polyamide (PA66)   |
| Flammability class per UL94        | V0   |
| Fire load                          | 3.237 MJ   |
| Weight                             | 196.3 g  |
| Test socket color                  | orange   |

### Environmental requirements

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

### Environmental Testing

|   |   |
|---|---|
| Test specification:<br>Railway applications –<br>Rolling stock –<br>Electronic equipment            | DIN EN 50155 (VDE 0115-200):2022-06                 |
| Test procedure:<br>Railway applications –<br>Rolling stock equipment –<br>Vibration and shock tests | DIN EN 61373 (VDE 0115-0106):2011-04                |
| Spectrum/Mounting location  | Service life test, Category 1, Class A/B            |
| Functional test with noise-like oscillations  | Test passed according to Section 8 of the standard  |
| Frequency   | $f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$      |
| Acceleration  | 0.101g (highest test level used for all axes)       |
| Test duration per axis  | 10 min.   |
| Test directions   | X, Y and Z axes                                     |
| Monitoring of contact faults and interruptions  | Passed  |
| Voltage drop measurement before and after each axis   | Passed  |
| Simulated service life test through increased levels of noise-like oscillations                     | Test passed according to Section 9 of the standard  |
| Frequency   | $f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$      |
| Acceleration  | 0.572g (highest test level used for all axes)       |
| Test duration per axis  | 5 h   |
| Test directions   | X, Y and Z axes                                     |
| Extended testing: Monitoring of contact faults and interruptions                                    | Passed  |
| Extended testing: Voltage drop measurement before and after each axis                               | Passed  |
| Shock test  | Test passed according to Section 10 of the standard |
| Shock pulse form  | Half sine   |
| Acceleration  | 5g (highest test level used for all axes)           |
| Shock duration  | 30 ms   |

### Environmental Testing

|   |                   |
|---|-------------------|
| Number of shocks (per axis)   | 3 pos. und 3 neg. |
| Test directions   | X, Y and Z axes   |
| Extended testing: Monitoring of contact faults and interruptions      | Passed            |
| Extended testing: Voltage drop measurement before and after each axis | Passed            |
| Vibration and shock stress for rolling stock equipment                | Passed            |

### Commercial data

|                       |               |
|-----------------------|---------------|
| PU (SPU)              | 1 pcs         |
| Packaging type        | Box           |
| Country of origin     | DE            |
| GTIN                  | 4055143240628 |
| Customs tariff number | 85369010000   |

### Product Classification

|             |                      |
|-------------|----------------------|
| UNSPSC      | 39121410             |
| eCl@ss 10.0 | 27-14-11-47          |
| eCl@ss 9.0  | 27-14-11-47          |
| ETIM 9.0    | EC000276             |
| ETIM 10.0   | EC000276             |
| ECCN        | NO US CLASSIFICATION |

### Environmental Product Compliance

|   |                                      |
|---|--------------------------------------|
| CAS-No.                                   | 7439-92-1                            |
| REACH Candidate List Substance            | Lead                                 |
| RoHS Compliance Status                    | Compliant,With Exemption             |
| RoHS Exemption                            | 6(c)                                 |
| SCIP notification number (Austria)        | 07053267-9cc9-4e80-906b-02d5be984777 |
| SCIP notification number (Belgium)        | 685df096-f420-40b6-9f02-22ca2e2f68c5 |
| SCIP notification number (Bulgaria)       | 937ea640-7cef-460c-b21b-fe49b424eed0 |
| SCIP notification number (Czech Republic) | 51ac0922-116a-4d07-bbaf-b9e41c419a7f |
| SCIP notification number (Denmark)        | 4868a345-19b9-4cff-8eb6-7c0e558555e5 |
| SCIP notification number (Finland)        | abeb4353-af96-495f-90a7-c01747e86a10 |
| SCIP notification number (France)         | d9d45c9a-5682-4945-8c60-2d2312480da6 |
| SCIP notification number (Germany)        | a69750ee-6d53-4f74-a9b8-1c5cd9fd36fb |
| SCIP notification number (Hungary)        | 2e0a58d0-c93f-4fb6-a60f-5e068332a48b |
| SCIP notification number (Italy)          | 0c6a4315-bbcb-4f7e-b1e5-1ec21488e052 |
| SCIP notification number (Netherlands)    | 925aee0d-4f2e-498a-a3b2-d58c3de04c17 |
| SCIP notification number (Poland)         | c6f8d7e2-7ed2-4f73-a3e0-3c6f309da27f |
| SCIP notification number (Romania)        | 19b7acdb-4cd4-4076-83fe-43da3ecdc81c |
| SCIP notification number (Sweden)         | e5a18b15-4ef9-4f40-824e-ec7c83fee2e2 |

Approvals / Certificates

Declarations of conformity and manufacturer's declarations



| Approval                      | Standard | Certificate Name |
|-------------------------------|----------|------------------|
| Railway<br>WAGO GmbH & Co. KG | -        | Railway Ready    |

Downloads

Environmental Product Compliance

| Compliance Search                          |
|--|
| Environmental Product Compliance 2007-8875 |

Documentation

| Bid Text  |            |                  |  |
|-----------|------------|------------------|--|
| 2007-8875 | 17.04.2019 | xml<br>4.57 KB   |  |
| 2007-8875 | 17.04.2019 | docx<br>17.20 KB |  |

CAD/CAE-Data

| CAD data                  |
|---------------------------|
| 2D/3D Models<br>2007-8875 |

1 Compatible Products

1.1 Optional Accessories

1.1.1 DIN-rail

1.1.1.1 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.: 210-197**  
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored



**Item No.: 210-114**  
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.: 210-113**  
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored

## 1.1.2 Installation

### 1.1.2.1 Cover



**Item No.: 709-156**

Cover; Type 3; suitable for cover carrier, type 3; 1 m long; transparent

### 1.1.2.2 Cover carrier



**Item No.: 709-169**

Cover carrier; Type 3; incl. fixing/retaining screws and knurled nut; suitable for 279 to 282 and 880 Series rail-mounted terminal blocks; suitable for 264 Series miniature rail-mounted terminal blocks; suitable for 270 Series sensor and actuator terminal blocks; gray

## 1.1.3 Marking

### 1.1.3.1 Marker



**Item No.: 793-501/000-006**

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



**Item No.: 793-501/000-007**

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



**Item No.: 793-501/000-023**

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



**Item No.: 793-501/000-017**

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



**Item No.: 793-501/000-012**

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



**Item No.: 793-501/000-005**

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



**Item No.: 793-501/000-024**

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



**Item No.: 793-501**

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



**Item No.: 793-501/000-002**

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



**Item No.: 2009-115/000-006**

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



**Item No.: 2009-115/000-007**

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



**Item No.: 2009-115/000-023**

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



**Item No.: 2009-115/000-017**

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



**Item No.: 2009-115/000-012**

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



**Item No.: 2009-115/000-024**

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



**Item No.: 2009-115**

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



**Item No.: 2009-115/000-002**

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

### 1.1.3.2 Marking strip



**Item No.: 2009-110**

Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

### 1.1.4 Screwless end stop

#### 1.1.4.1 Mounting accessories



**Item No.: 249-117**

Screwless end stop; 10 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray



**Item No.: 249-116**

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

### 1.1.5 Tool

#### 1.1.5.1 Operating tool



**Item No.: 210-721**

Operating tool; Blade: 5.5 x 0.8 mm; with a partially insulated shaft; multicoloured

## Installation Notes

### Commoning



Additional commoning option on the transformer side

## Security



Lock-out prevents accidental operation of disconnect link.



Lock-out snaps into one of two notched positions.

Locking system

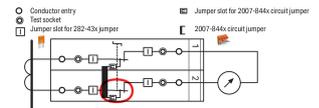
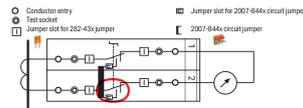


Using locking covers or profiles for adjacent terminal blocks allows disconnect links to be operated simultaneously.

A lock-out seal can be used on the disconnect link in operating position I when combined with an end and separator plate (Item No. 2007-8893 or Item No. 2007-8894).

Interlocking link mechanically locks multiple links for multi-pole switching applications.

Measurement



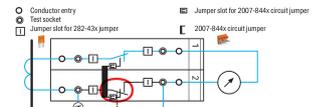
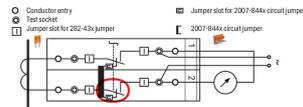
**Disconnect link in operating position I**  
Terminal blocks required:  
2 x disconnect/test terminal block (Item No. 2007-8821)  
1 x circuit jumper, orange (Item No. 2007-8442)  
Locking covers or interlocking links (option)

In the operating position, the measurement device is connected to the transformer, the circuit jumper is inserted and the disconnect link is in position I.

**Disconnect link in shorting position II**

The transformer is not disconnected from the measuring device yet, the shorting path is activated by moving the disconnect link into shorting position II and the transformer is safely shorted.

Measurement



**Test current measurement: Disconnect link in measuring position III**

The measuring device is electrically disconnected from the transformer. If required, an external voltage can be applied to the measuring device via the test socket.

**Measurement testing (using both test sockets)**  
Terminal block 1: Disconnect link in operating position I  
Terminal block 2: Disconnect link in measuring position III

Measurement testing: First insert the reference current meter (A) into the test socket, then move the disconnect link into measurement point III (test current measurement).

Marking



Marking via WMB Multi markers or marking strips.