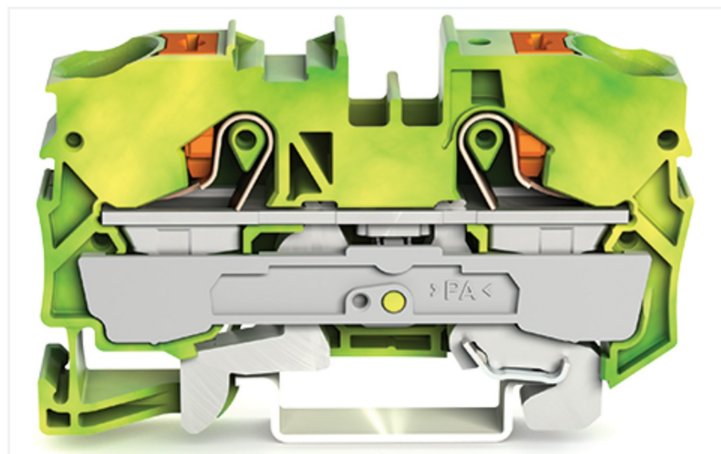


## Data Sheet | Item Number: 2210-1207

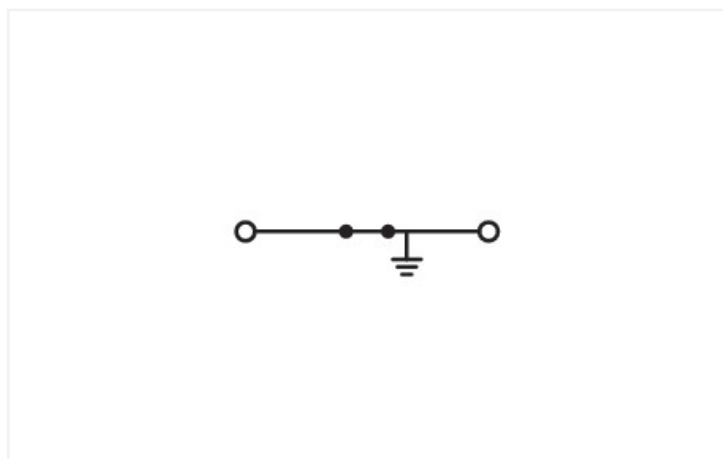
2-conductor ground terminal block; with push-button; 10 mm<sup>2</sup>; with test port; side and center marking; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 10,00 mm<sup>2</sup>; green-yellow



<https://www.wago.com/2210-1207>



Color: ■ green-yellow



Similar to illustration

### Electrical data

| Ratings per          | IEC/EN 60947-7-2 |     |    |
|----------------------|------------------|-----|----|
|                      | III              | III | II |
| Overvoltage category | III              | III | II |
| Pollution degree     | 3                | 2   | 2  |
| Nominal voltage      | -                | -   | -  |
| Rated surge voltage  | -                | -   | -  |
| Rated current        | -                | -   | -  |

### Ex information

|                           |   |
|---------------------------|---|
| Reference hazardous areas | See "Downloads – Documentation – Additional Information: Technical Section; Technical Explanations" |
|---------------------------|---|

### Connection data

|                            |   |
|----------------------------|---|
| Clamping units             | 2 |
| Total number of potentials | 1 |
| Number of levels           | 1 |
| Number of jumper slots     | 2 |

### Connection 1

|   |   |
|---|---|
| Connection technology                           | Push-in CAGE CLAMP®                       |
| Actuation type                                  | Push-button                               |
| Connectable conductor materials                 | Copper                                    |
| Nominal cross-section                           | 10 mm <sup>2</sup>                        |
| Solid conductor                                 | 0.5 ... 16 mm <sup>2</sup> / 20 ... 6 AWG |
| Solid conductor; push-in termination            | 2.5 ... 16 mm <sup>2</sup> / 14 ... 6 AWG |
| Fine-stranded conductor                         | 0.5 ... 16 mm <sup>2</sup> / 20 ... 6 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.5 ... 10 mm <sup>2</sup> / 20 ... 8 AWG |

### Connection 1

|  |  |
|--|--|
| Fine-stranded conductor; with ferrule; push-in termination | 4 ... 10 mm <sup>2</sup> / 12 ... 8 AWG  |
| Note (conductor cross-section)                             | Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.<br>AWG specifications were converted according to IEC. |
| Strip length   | 17 ... 19 mm / 0.67 ... 0.75 inches  |
| Wiring direction   | Front-entry wiring   |

### Physical data

|                                   |                        |
|-----------------------------------|------------------------|
| Width                             | 10 mm / 0.394 inches   |
| Height                            | 67.6 mm / 2.661 inches |
| Depth from upper-edge of DIN-rail | 36.9 mm / 1.453 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                              | green-yellow   |
| Material group                     | I  |
| Insulation material (main housing) | Polyamide (PA66)   |
| Flammability class per UL94        | V0   |
| Fire load                          | 0.422 MJ   |
| Actuator color                     | orange   |
| Weight                             | 30.9 g   |

### Environmental requirements

|                                  |                 |
|----------------------------------|-----------------|
| Continuous operating temperature | -60 ... +105 °C |
|----------------------------------|-----------------|

### Environmental Testing (Environmental Conditions)

|  |   |
|--|---|
| 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>Shock and vibration tests | DIN EN 61373 (VDE 0115-0106):2011-04  |
| Spectrum/Installation location   | Service life test, Category 1, Class A/B  |
| Function test with noise-like vibration  | Test passed according to Section 8 of the standard  |
| Frequency  | f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 150 Hz<br>f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 150 Hz  |
| Acceleration   | 0.101g (highest test level used for all axes)<br>0.572g (highest test level used for all axes)<br>5g (highest test level used for all axes) |
| Test duration per axis   | 10 min.<br>5 h  |
| Test directions  | X, Y and Z axes<br>X, Y and Z axes<br>X, Y and Z axes   |
| Monitoring for contact faults/interruptions  | Passed  |

### Environmental Testing (Environmental Conditions)

|  |   |
|--|---|
| Voltage drop measurement before and after each axis                          | Passed  |
| Simulated service life test through increased levels of noise-like vibration | Test passed according to Section 9 of the standard  |
| Extended test scope: Monitoring for contact faults/interruptions             | Passed<br>Passed                                    |
| Extended test scope: Voltage drop measurement before and after each axis     | Passed<br>Passed                                    |
| Shock test   | Test passed according to Section 10 of the standard |
| Shock form   | Half sine   |
| Shock duration   | 30 ms   |
| Number of shocks per axis  | 3 pos. und 3 neg.                                   |
| Vibration and shock stress for rolling stock equipment                       | Passed  |

### Commercial data

|                       |               |
|-----------------------|---------------|
| eCl@ss 10.0           | 27-14-11-41   |
| eCl@ss 9.0            | 27-14-11-41   |
| ETIM 9.0              | EC000901      |
| ETIM 8.0              | EC000901      |
| PU (SPU)              | 25 pcs        |
| Packaging type        | Box           |
| Country of origin     | DE            |
| GTIN                  | 4055143736084 |
| Customs tariff number | 85369010000   |

### 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 7879      |
| CSA<br>DEKRA Certification B.V.       | C22.2    | 70175033         |
| KEMA/KEUR<br>DEKRA Certification B.V. | EN 60947 | 71-119265        |
| UL<br>Underwriters Laboratories Inc.  | UL 1059  | E45172           |

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



| Approval   | Standard | Certificate Name |
|--|----------|------------------|
| ATEX-Attestation of Conformity<br>WAGO GmbH & Co. KG | -        | -                |
| EU-Declaration of Conformity<br>WAGO GmbH & Co. KG   | -        | -                |
| Railway<br>WAGO GmbH & Co. KG                        | -        | Z00004407.000    |
| UK-Declaration of Conformity<br>WAGO GmbH & Co. KG   | -        | -                |

Approvals for marine applications



| Approval   | Standard  | Certificate Name |
|--|-----------|------------------|
| ABS<br>American Bureau of Shipping               | -         | 19-HG1866350-PDA |
| BV<br>Bureau Veritas S.A.                        | IEC 60947 | 58186/A0 BV      |
| DNV GL<br>Det Norske Veritas, Germanischer Lloyd | -         | TAE00003JT       |
| LR<br>Lloyds Register                            | -         | 19/20050         |

Approvals for hazardous areas



| Approval                                       | Standard       | Certificate Name   |
|--|----------------|--|
| ATEX<br>Physikalisch Technische Bundesanstalt  | IEC 60079-0    | PTB 18 ATEX 1008 U (II 2 G Ex eb IIC Gb bzw. I M 2 Ex eb I Mb) |
| ATEX<br>UL International Demko A/S             | UL 60079       | E185892 (AEx eb IIC resp. Ex eb IIC)                           |
| CCC<br>CNEX                                    | GB/T 3836.3    | 2020312313000173 (Ex eb IIC Gb, Ex eb I Mb)                    |
| EAC<br>Brjansker Zertifizierungsstelle         | TP TC 012/2011 | RU C-DE.AM02. B.00127/19 (Ex e IIC Gb U)                       |
| IECEX<br>Physikalisch Technische Bundesanstalt | IEC 60079      | IECEX PTB 18.0015U (Ex eb IIC Gb and Ex eb I Mb)               |
| INMETRO<br>TÜV Rheinland do Brasil Ltda.       | IEC 60079      | TÜV 19.0821 U  |

Downloads

Environmental Product Compliance

| Compliance Search                          |                   |
|--|-------------------|
| Environmental Product Compliance 2210-1207 | <a href="#">↓</a> |

Documentation

| Additional Information |                   |                   |
|------------------------|-------------------|-------------------|
| Technical Section      | pdf<br>2246.92 KB | <a href="#">↓</a> |

| Bid Text  |            |                  |                   |
|-----------|------------|------------------|-------------------|
| 2210-1207 | 15.04.2019 | xml<br>3.78 KB   | <a href="#">↓</a> |
| 2210-1207 | 15.04.2019 | docx<br>14.83 KB | <a href="#">↓</a> |

CAD/CAE-Data

| CAD data               |                   |
|------------------------|-------------------|
| 2D/3D Models 2210-1207 | <a href="#">↓</a> |

| CAE data                    |                   |
|-----------------------------|-------------------|
| EPLAN Data Portal 2210-1207 | <a href="#">↓</a> |
| ZUKEN Portal 2210-1207      | <a href="#">↓</a> |

## 1 Compatible Products

### 1.1 Required Accessories

#### 1.1.1 End plate

##### 1.1.1.1 End plate



**Item No.: 2010-1291**  
End and intermediate plate; 1 mm thick; gray



**Item No.: 2010-1292**  
End and intermediate plate; 1 mm thick; orange



**Item No.: 209-191**  
Separator for Ex e/Ex i applications; 3 mm thick; 120 mm wide; orange

### 1.2 Optional Accessories

#### 1.2.1 Cover

##### 1.2.1.1 Cover



**Item No.: 2010-100**  
Finger guard; touchproof cover protects unused conductor entries; yellow

#### 1.2.2 DIN-rail

##### 1.2.2.1 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.: 210-113**  
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored

#### 1.2.3 Ferrule

##### 1.2.3.1 Ferrule



**Item No.: 216-284**  
Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



**Item No.: 216-289**  
Ferrule; Sleeve for 10 mm<sup>2</sup> / AWG 8; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



**Item No.: 216-286**  
Ferrule; Sleeve for 2.5 mm<sup>2</sup> / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue



**Item No.: 216-287**  
Ferrule; Sleeve for 4 mm<sup>2</sup> / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



**Item No.: 216-288**  
Ferrule; Sleeve for 6 mm<sup>2</sup> / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow

## 1.2.4 Installation

### 1.2.4.1 Cover



**Item No.: 709-156**

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

### 1.2.4.2 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

## 1.2.5 Jumper

### 1.2.5.1 Jumper



**Item No.: 2010-402**

Jumper; 2-way; insulated; light gray



**Item No.: 2010-403**

Jumper; 3-way; insulated; light gray



**Item No.: 2010-404**

Jumper; 4-way; insulated; light gray



**Item No.: 2010-405**

Jumper; 5-way; insulated; light gray



**Item No.: 2010-433**

Jumper; from 1 to 3; insulated; light gray



**Item No.: 2010-434**

Jumper; from 1 to 4; insulated; light gray



**Item No.: 2010-435**

Jumper; from 1 to 5; insulated; light gray



**Item No.: 2010-405/011-000**

Star point jumper; 3-way; insulated; light gray

## 1.2.6 Marking

### 1.2.6.1 Group marker carrier



**Item No.: 2009-191**

Group marker carrier; gray



**Item No.: 2009-192**

Group marker carrier; gray



**Item No.: 2009-193**

Group marker carrier; gray

### 1.2.6.2 Marker



**Item No.: 2009-145/000-006**

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



**Item No.: 2009-145/000-007**

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



**Item No.: 2009-145/000-023**

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



**Item No.: 2009-145/000-012**

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



**Item No.: 2009-145/000-005**

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



**Item No.: 2009-145/000-024**

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



**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.: 2009-145/000-002**

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



**Item No.: 248-501/000-006**

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



**Item No.: 248-501/000-007**

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



**Item No.: 248-501/000-023**

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



**Item No.: 248-501/000-017**

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

1.2.6.2 Marker



**Item No.: 248-501/000-012**  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange



**Item No.: 248-501/000-005**  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red



**Item No.: 248-501/000-024**  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet



**Item No.: 248-501**  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white



**Item No.: 248-501/000-002**  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow



**Item No.: 793-5501/000-006**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; blue



**Item No.: 793-5501/000-007**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; gray



**Item No.: 793-5501/000-023**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; green



**Item No.: 793-5501/000-017**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green



**Item No.: 793-5501/000-012**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; orange



**Item No.: 793-5501/000-005**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red



**Item No.: 793-5501/000-024**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; violet



**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.: 793-5501/000-002**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; yellow



**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

1.2.6.3 Marker carrier



**Item No.: 2009-198**  
Adaptor; gray

1.2.6.4 Marking strip



**Item No.: 2009-110**  
Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

## 1.2.7 Screwless end stop

### 1.2.7.1 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

## 1.2.8 Test and measurement

### 1.2.8.1 Testing accessories



**Item No.: 2010-511**

Modular TOPJOB®S connector; modular; for jumper contact slot; 1-pole; 4,00 mm<sup>2</sup>; gray



**Item No.: 2010-549**

Spacer module; modular; e.g., for bridging commoned terminal blocks; gray



**Item No.: 2009-174**

Test plug adapter; for 4 mm Ø test plugs; for testing TOPJOB®S rail-mounted terminal blocks; gray



**Item No.: 2009-182**

Testing tap; for max. 2.5 mm<sup>2</sup>; tool-free connection for individual test wires 0.08 - 2.5 mm; gray

## 1.2.9 Tool

### 1.2.9.1 Operating tool

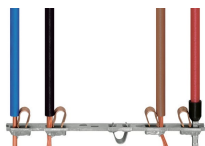


**Item No.: 210-721**

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

## Installation Notes

### Conductor termination



**All conductor types at a glance**



Push-in termination of solid and ferruled conductors

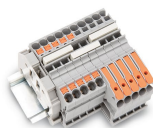


Insert fine-stranded conductors via operating tool.



Removing all conductors via operating tool.

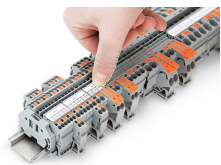
### Commoning



Insert a push-in type jumper bar and push down until it hits the backstop.



Marking



Snapping a marking strip into a marker slot.

Snapping a marking strip into the marker slot.