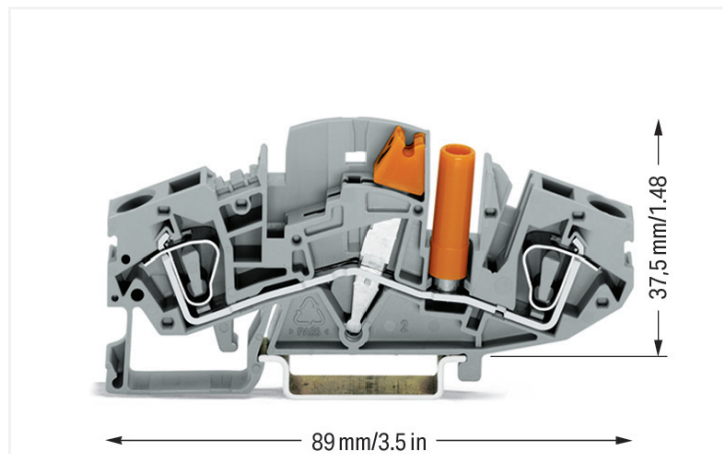


Data Sheet | Item Number: 282-811

2-conductor disconnect/test terminal block; transverse switching; with touch-proof test socket; for 4 mm Ø test plugs; for DIN-rail 35 x 15 and 35 x 7.5; 6 mm²; CAGE CLAMP®; 6,00 mm²; gray

<https://www.wago.com/282-811>



Color: ■ gray

Current transformer terminal block, 282 Series, operating tool

Our current transformer terminal block (item number 282-811) is designed for seamless electrical installations. Conductors can only be connected to this current transformer terminal block if their strip length is between 12 and 13 mm. This product features conductor terminals and utilizes CAGE CLAMP®. Our highly-rated and maintenance-free CAGE CLAMP® connection makes it easy to connect all conductor types without having to prepare the conductor. For example, you don't need to crimp ferrules. Depending on the conductor type, this current transformer terminal block is ideal for conductor cross sections ranging from 0.2 mm² to 6 mm².

Electrical data

Ratings per IEC/EN

| | |
|---|---|
| Nominal voltage (III/3) | 500 V |
| Rated impulse withstand voltage (III / 3) | 6 kV |
| Rated current | 30 A |
| Legend (ratings) | (III / 3) △ Overvoltage category III / Pollution-degree 3 |

Power Loss

| | |
|--|-----------|
| Power loss, per pole (potential) | 0.702 W |
| Rated current I _N for power loss specification | 30 A |
| Resistance value for specified, current-dependent power loss | 0.00078 Ω |

General information

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

Connection Data

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

Connection 1

| | |
|---------------------------------|---|
| Connection technology | CAGE CLAMP® |
| Actuation type | Operating tool |
| Connectable conductor materials | Copper |
| Solid conductor | 0.2 ... 6 mm ² / 24 ... 10 AWG |
| Fine-stranded conductor | 0.2 ... 6 mm ² / 24 ... 10 AWG |
| Strip length | 12 ... 13 mm / 0.47 ... 0.51 inches |
| Wiring direction | Front-entry wiring |

Physical data

| | |
|-----------------------------------|------------------------|
| Width | 8 mm / 0.315 inches |
| Height | 89 mm / 3.504 inches |
| Depth from upper-edge of DIN-rail | 37.5 mm / 1.476 inches |

Mechanical data

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

Material data

| | |
|------------------------------------|--|
| Note (material data) | Information on material specifications can be found here |
| Color | gray |
| Material group | I |
| Insulation material (main housing) | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Fire load | 0.291 MJ |
| Weight | 19.6 g |

Environmental requirements

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

Commercial data

| | |
|-----------------------|----------------------------------|
| Product Group | 1 (Rail Mounted Terminal Blocks) |
| PU (SPU) | 20 pcs |
| Packaging type | Box |
| Country of origin | CN |
| GTIN | 4044918960809 |
| Customs tariff number | 85365080000 |

Product Classification

| | |
|-------------|----------------------|
| UNSPSC | 39121410 |
| eCl@ss 10.0 | 27-14-11-26 |
| eCl@ss 9.0 | 27-14-11-26 |
| ETIM 9.0 | EC000902 |
| ETIM 10.0 | EC000902 |
| 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) | a31221b6-f755-4569-a152-717c4ac5e1c3 |
| SCIP notification number (Belgium) | 63d39bc8-d96f-43a2-aac1-a277fece46a6 |
| SCIP notification number (Bulgaria) | 94959bde-280c-48b9-a368-407668d76dc8 |
| SCIP notification number (Czech Republic) | 6881d241-491e-4674-9fc8-e981a803ddc0 |
| SCIP notification number (Denmark) | 6bcb5e2a-bfd8-44ce-9b71-c1be2b8d6a99 |
| SCIP notification number (Finland) | 19e44fa9-52df-4e43-9aba-b1f6b25d8a8b |
| SCIP notification number (France) | ac40e9d5-31fb-4905-8465-7195561a3bf8 |

Environmental Product Compliance

| | |
|--|--------------------------------------|
| SCIP notification number (Germany) | 3fc3cc4f-b721-434e-a5f3-447984856333 |
| SCIP notification number (Hungary) | d912b91f-3f9b-41ae-8795-c3c9ea6d6a78 |
| SCIP notification number (Italy) | dd95ab5e-1c74-411d-9097-f45a5c0c8ac4 |
| SCIP notification number (Netherlands) | 6d59622c-1158-4fb6-a309-76758af71a02 |
| SCIP notification number (Poland) | 8af413dd-121c-4481-b980-b201e4d2fd65 |
| SCIP notification number (Romania) | 6997fe56-10bb-4ff2-868b-d6cbc81655c5 |
| SCIP notification number (Sweden) | d9fdcaf3-e6cd-44f8-bd8c-03e27cc8fba3 |

Approvals / Certificates

General approvals



| Approval | Standard | Certificate Name |
|---|----------|------------------|
| CCA DEKRA Certification B.V. | EN 60947 | NTR NL 8027 |
| cURus Underwriters Laboratories Inc. | UL 1059 | E45172 |
| KEMA/KEUR DEKRA Certification B.V. | EN 60947 | 71-136074 |

Declarations of conformity and manufacturer's declarations

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

Approvals for marine applications



| Approval | Standard | Certificate Name |
|---|----------|-------------------|
| ABS American Bureau of Ship- ping | EN 60947 | 24-0152298-PDA |
| DNV GL Det Norske Veritas, Ger- manischer Lloyd | - | TAE00001V2 |
| PRS Polski Rejestr Statków | - | TE/1094/880590/23 |

Downloads

Environmental Product Compliance

Compliance Search

| | |
|---|-------------------|
| Environmental Product Compliance 282-811 | ↓ |
|---|-------------------|

Documentation

| Bid Text | | | |
|----------|------------|-----------------|-------------------|
| 282-811 | 19.02.2019 | xml 3.39 KB | ↓ |
| 282-811 | 06.11.2017 | doc 24.50 KB | ↓ |

CAD/CAE-Data

| CAD data | CAE data |
|--|---|
| 2D/3D Models 282-811 ↓ | EPLAN Data Portal 282-811 ↓ |
| | WSCAD Universe 282-811 ↓ |

1 Compatible Products

1.1 Required Accessories

1.1.1 End plate

1.1.1.1 End plate



Item No.: 282-361

End and separator plate; for 2-conductor transverse switching terminal block; 1.5 mm thick; gray

Item No.: 282-366

End and separator plate; for 2-conductor transverse switching terminal block; 1.5 mm thick; orange

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Locking system



Item No.: 282-370

Lock-out; for disconnect link; 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.: 210-508

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

1.2.2.1 Mounting accessories



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

1.2.3 Ferrule

1.2.3.1 Ferrule



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.: 216-263
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.: 216-264
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.: 216-266
Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue



Item No.: 216-267
Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray

1.2.4 Installation

1.2.4.1 Cover



Item No.: 709-154
Cover; Type 2; suitable for cover carrier, type 2; 1 m long; transparent

1.2.4.2 Cover carrier



Item No.: 709-168
Cover carrier; Type 2; incl. fixing/retaining screws and knurled nut; suitable for 283 to 285 Series rail-mounted terminal blocks; suitable for 279 to 281 Series double- and triple-deck terminal blocks; suitable for 780 to 785, 775, 776 and 777 Series TOP-JOB® rail-mounted terminal blocks; suitable for 280 Series sensor and actuator terminal blocks; suitable for 282 Series disconnect/test terminal blocks for transformer circuits; gray

1.2.4.3 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

1.2.5 Jumper

1.2.5.1 Jumper



Item No.: 282-442

Adjacent jumper for switching lever; 2-way; insulated; orange



Item No.: 282-443

Adjacent jumper for switching lever; 3-way; insulated; orange



Item No.: 282-444

Adjacent jumper for switching lever; 4-way; insulated; orange



Item No.: 282-445

Adjacent jumper for switching lever; 5-way; insulated; orange



Item No.: 282-446

Adjacent jumper for switching lever; 6-way; insulated; orange



Item No.: 282-440

Jumper; 10-way; insulated; orange



Item No.: 282-432

Jumper; 2-way; insulated; orange



Item No.: 282-432/100-000

Jumper; 2-way; insulated; orange



Item No.: 282-433

Jumper; 3-way; insulated; orange



Item No.: 282-433/100-000

Jumper; 3-way; insulated; orange



Item No.: 282-434

Jumper; 4-way; insulated; orange



Item No.: 282-434/100-000

Jumper; 4-way; insulated; orange



Item No.: 282-435

Jumper; 5-way; insulated; orange



Item No.: 282-436

Jumper; 6-way; insulated; orange



Item No.: 282-437

Jumper; 7-way; insulated; orange



Item No.: 282-438

Jumper; 8-way; insulated; orange



Item No.: 282-439

Jumper; 9-way; insulated; orange



Item No.: 282-435/011-000

Jumper; insulated; orange



Item No.: 282-435/300-000

Jumper; insulated; orange



Item No.: 282-435/301-000

Jumper; insulated; orange



Item No.: 282-436/301-000

Jumper; insulated; orange



Item No.: 282-436/304-000

Jumper; insulated; orange



Item No.: 282-437/011-000

Jumper; insulated; orange



Item No.: 282-437/012-000

Jumper; insulated; orange



Item No.: 282-438/300-000

Jumper; insulated; orange



Item No.: 282-438/301-000

Jumper; insulated; orange



Item No.: 282-439/011-000

Jumper; insulated; orange

1.2.6 Locking system

1.2.6.1 Locking system



Item No.: 282-372

Coupling device; mechanically locks multiple links; 2-way; yellow



Item No.: 282-373

Coupling device; mechanically locks multiple links; 3-way; yellow



Item No.: 282-374

Coupling device; mechanically locks multiple links; 4-way; yellow

1.2.7 Marking

1.2.7.1 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

1.2.7.1 Marker



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



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.: 793-5501/000-014

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

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.: 794-5553/000-002

WMB marking card; as card; MARKED; k/I (each 50); stretchable 5 - 5.2 mm; Horizontal marking; snap-on type; yellow



Item No.: 794-5554/000-006

WMB marking card; as card; MARKED; U/V (each 50x); stretchable 5 - 5.2 mm; Horizontal marking; snap-on type; blue

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

1.2.8 Protective warning marker

1.2.8.1 Cover



Item No.: 282-415

Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

1.2.9 Tool

1.2.9.1 Operating tool

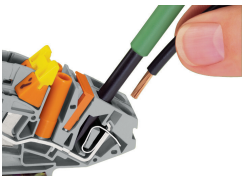


Item No.: 210-721

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

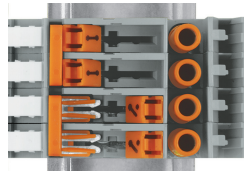
Installation Notes

Conductor termination



CAGE CLAMP® connection
Inserting a conductor.

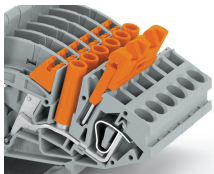
Commoning



Transverse switching terminal blocks
Left: Adjacent jumper for commoning of switching lever
Right: Commoning with orange jumper

Switch positions
Left: closed
Right: open

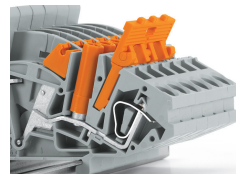
Commoning



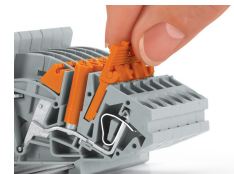
Jumper with safety lid
Jumper in pre-locked position



Jumper with safety lid
Longitudinal switching disconnect terminal blocks with inserted jumper, including safety lid

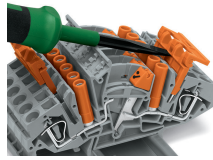


Jumper with safety lid
Jumper with raised safety lid



Jumper with safety lid
Removing a jumper via safety lid.

Commoning



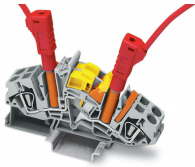
Jumper with safety lid
Remove jumper via operating tool.

Jumper with safety lid
Remove jumper via operating tool.

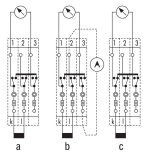


Inserting a lock-out.

Testing



Testing via touch-proof 4 mm Ø test plugs
(not available from WAGO, but offered by industry suppliers such as, Multi-Contact Deutschland GmbH).



Current transformer circuit with transverse switching terminal blocks
a = normal operation b = measured value
test c = transformer short circuit