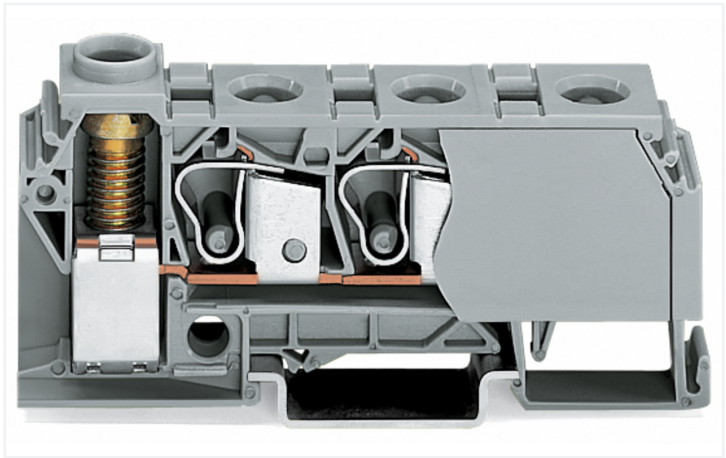
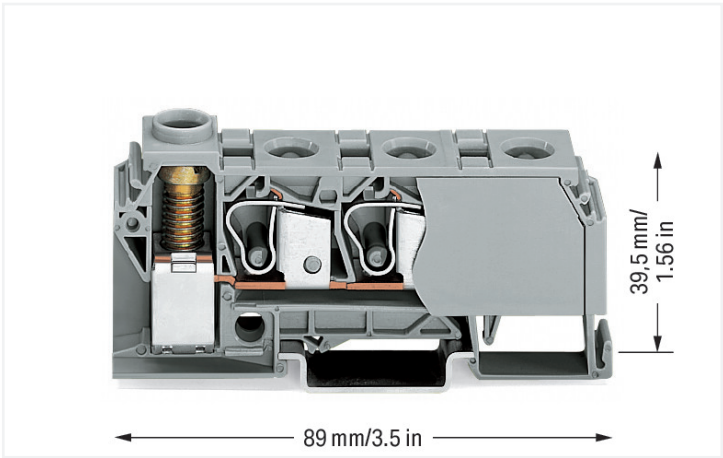


Data Sheet | Item Number: 284-621

Distribution terminal block; 10 mm²; lateral marker slots; for DIN-rail 35 x 15 and 35 x 7.5; screw-type and CAGE CLAMP®connection; 3 x CAGE CLAMP® connection 10 mm²; 1 x screw-clamp connection 35 mm²; 10,00 mm²; gray

<https://www.wago.com/284-621>



Color: ■ gray

Distribution terminal block, 284 Series, operating tool

Our distribution terminal block (item number 284-621) is designed for seamless electrical installations. Distribution terminal blocks allow you to distribute potentials with a single extremely compact terminal block. Their design also means you can connect larger conductor cross-sections on one side and several smaller conductor cross-sections on the other. Aside from potential distribution, these terminal blocks can also be used for potential collection. Our through rail-mount terminal block is rated for 800 V and is designed to handle a rated current of up to 125 A. Conductors should only be connected to this distribution terminal block if their strip length is between 12 mm and 14 mm. This product incorporates conductor terminals and utilizes CAGE CLAMP® and a screw connection. Our CAGE CLAMP® connection offers a safe and maintenance-free way to connect all types of conductors. You do not need to prepare the conductor in any way, such as crimping ferrules. Depending on the conductor type, this distribution terminal block is suitable for conductor cross sections ranging from 0.2 mm² to 10 mm² on one side and for conductor cross sections from 0.5 mm² to 35 mm² on the other side. It features one level and four clamping points that you can use to connect a single potential. The gray housing is made of polyamide (PA66) for insulation. This through rail-mount terminal block is operated with an operating tool. These through rail-mount terminal blocks are mounted using DIN-35 rails.. The front-entry wiring sowie the side-entry wiring mean you can connect copper conductors.

Electrical data

| Ratings per IEC/EN | | Power Loss | |
|---|---|--|-----------|
| Nominal voltage (III/3) | 800 V | Power loss, per pole (potential) | 8.75 W |
| Rated impulse withstand voltage (III / 3) | 8 kV | Rated current I _N for specified power loss | 125 A |
| Rated current | 125 A | Resistance value for specified, current-dependent power loss | 0.00056 Ω |
| Legend (ratings) | (III / 3) ≙ Overvoltage category III / Pollution degree 3 | | |

Connection data

| Connection 1 | |
|---------------------------------|-------------------------------------|
| Clamping units | 4 |
| Total number of potentials | 1 |
| Number of levels | 1 |
| Connection technology | CAGE CLAMP® |
| Number of connection points | 3 |
| Actuation type | Operating tool |
| Connectable conductor materials | Copper |
| Solid conductor | 0.2 ... 10 mm² / 24 ... 8 AWG |
| Fine-stranded conductor | 0.2 ... 10 mm² / 24 ... 8 AWG |
| Strip length | 12 ... 14 mm / 0.47 ... 0.55 inches |
| Wiring direction | Front-/side-entry wiring |

Connection 2

| | |
|-----------------------------|-------------------------------|
| Connection technology | Screw connection |
| Number of connection points | 1 |
| Solid conductor | 0.5 ... 35 mm² / 10 ... 2 AWG |
| Fine-stranded conductor | 6 ... 35 mm² / 10 ... 2 AWG |

Physical data

| | |
|-----------------------------------|------------------------|
| Width | 17.5 mm / 0.689 inches |
| Height | 89 mm / 3.504 inches |
| Depth from upper-edge of DIN-rail | 39.5 mm / 1.555 inches |

Mechanical data

| | |
|---------------|-----------------|
| Design | horizontal type |
| Mounting type | DIN-35 rail |
| Marking level | Side marking |
| Torque | 3.5 Nm |

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 | 0.633 MJ |
| Weight | 55.5 g |

Environmental requirements

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

Commercial data

| | |
|-----------------------|---------------|
| PU (SPU) | 15 pcs |
| Packaging type | Box |
| Country of origin | IN |
| GTIN | 4045454282561 |
| Customs tariff number | 85369010000 |

Product classification

| | |
|-------------|----------------------|
| UNSPSC | 39121410 |
| eCl@ss 10.0 | 27-14-11-20 |
| eCl@ss 9.0 | 27-14-11-20 |
| ETIM 9.0 | EC000897 |
| ETIM 8.0 | EC000897 |
| ECCN | NO US CLASSIFICATION |




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


Approvals / Certificates

| General approvals | | | Declarations of conformity and manufacturer's declarations | | |
|--|----------|------------------|--|----------|------------------|
|  | | | | | |
| Approval | Standard | Certificate Name | Approval | Standard | Certificate Name |
| CCA DEKRA Certification B.V. | EN 60947 | 2160584.03 | EU-Declaration of Confor- mity WAGO GmbH & Co. KG | - | - |
| CCA DEKRA Certification B.V. | EN 60947 | NTR NL-7078 | UK-Declaration of Confor- mity WAGO GmbH & Co. KG | - | - |
| CSA CSA Group | C22.2 | 1536073 | | | |
| UL Underwriters Laboratories Inc. | UL 1059 | E45172 | | | |



Approvals for marine applications

|  | | |
|--|----------|------------------|
| Approval | Standard | Certificate Name |
| DNV GL Det Norske Veritas, Ger- manischer Lloyd | - | TAE00001V2 |





Downloads

| Environmental Product Compliance | |
|---|---|
| Compliance Search | |
| Environmental Product Compliance 284-621 |  |

Documentation

| Bid Text | | | |
|----------|------------|-----------------|---|
| 284-621 | 19.02.2019 | xml 3.57 KB |  |
| 284-621 | 19.09.2017 | doc 24.50 KB |  |



| CAD/CAE-Data | |
|--|---|
| CAD data | CAE data |
| 2D/3D Models 284-621  | EPLAN Data Portal 284-621  |
| | WSCAD Universe 284-621  |
| | ZUKEN Portal 284-621  |

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.: 210-508 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 |

1.1.2 Ferrule

1.1.2.1 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 |  Item No.: 216-208 Ferrule; Sleeve for 6 mm² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow |  Item No.: 216-108 Ferrule; Sleeve for 6 mm² / AWG 10; uninsulated; electro-tin plated; silver-colored | |



1.1.3 Installation

1.1.3.1 Cover



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

1.1.3.2 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

1.1.3.3 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

1.1.4 Jumper

1.1.4.1 Jumper



Item No.: 284-412
Jumper; for conductor entry; 2-way; insulated; gray

1.1.5 Marking

1.1.5.1 Marker



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



1.1.5.1 Marker



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

1.1.6 Tool

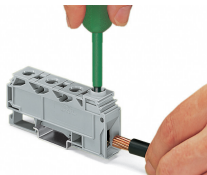
1.1.6.1 Operating tool



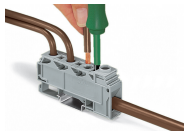
Item No.: 210-721
Operating tool; Blade: 5.5 x 0.8 mm; with a partially insulated shaft; multicoloured

Installation Notes

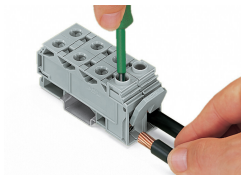
Conductor termination



Terminating a 35 mm² (2 AWG) conductor. Screw clamp connection, side-entry wiring



Terminating a 10 mm² (8 AWG) conductor – CAGE CLAMP® connection, front-entry wiring



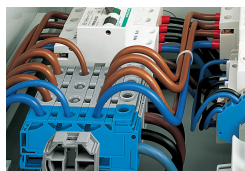
Connecting 35 mm² (2 AWG) conductors to commoned terminal blocks. Screw clamp connection, side-entry wiring

Commoning



Commoning with comb-style jumper bar.
Individual arrangement: 125 A
Two jumpers combined in one clamping unit: 100 A

Application



Side-entry distribution terminal block with screw clamp connection (35 mm²/2 AWG) and front-entry CAGE CLAMP® connection (3 x 10 mm²/8 AWG) snaps onto DIN-35 rail – it is enclosed on both sides and requires no end or intermediate plate.

When connecting 3 x 10 mm² (8 AWG) conductors on the distribution side, make sure that the nominal current of 125 A is not exceeded.