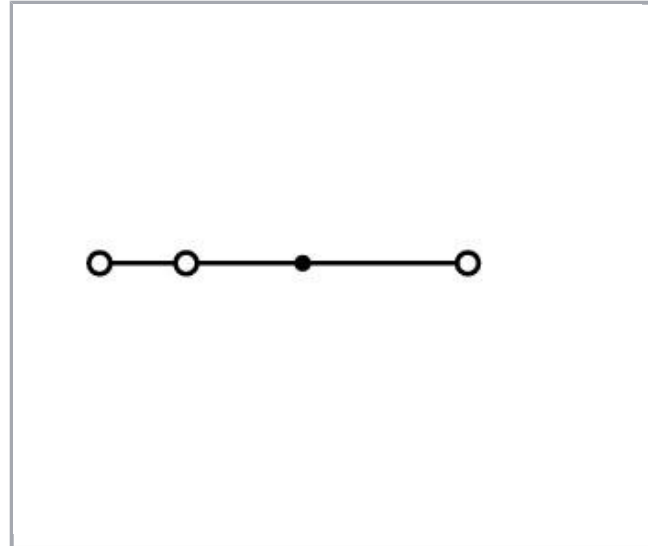
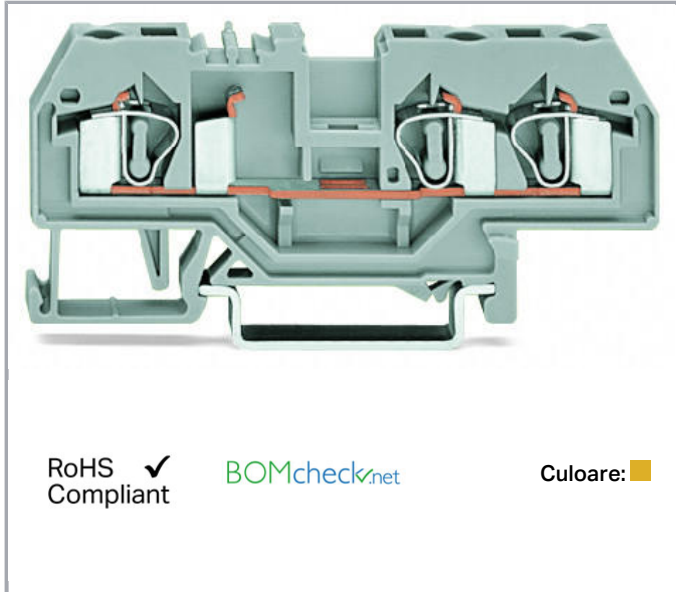


Fișă tehnică | Număr articol: 281-686

3-conductor through terminal block; 4 mm²; center marking; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 4,00 mm²; yellow



www.wago.com/281-686



Descriere articol

Note:

Terminating Aluminum Conductors

WAGO spring clamp terminal blocks are suitable for solid aluminum conductors up to 4 mm²/12 AWG if WAGO "Alu-Plus" Contact Paste is used for termination.

"Alu-Plus" Contact Paste Advantages:

- Automatically destroys the oxide film during clamping.
- Prevents fresh oxidation at the clamping point.
- Prevents electrolytic corrosion between aluminum and copper conductors (in the same terminal block).
- Provides long-term protection against corrosion.

Using terminal blocks with CAGE CLAMP® Spring Pressure Connection Technology, **aluminum conductors must first be cleaned with a blade** and then immediately be inserted into the clamping units filled with "Alu-Plus" Contact Paste.

It is also possible to apply WAGO "Alu-Plus" **additionally** on the whole surface of the aluminum conductor before termination.

Please note that the nominal currents must be adapted to the reduced conductivity of the aluminum conductors::

2.5 mm² = 16 A

4 mm² = 22 A

Supus modificărilor.

WAGO Kontakttechnik GmbH & Co. KG
/Representative Office Romania
Sos. Pipera-Tunari nr. 1/1
building 1, 2nd floor | 077190 Voluntari, Ilfov
Tel.: +40-(0)31 421 85 68 | Email: info-RO@wago.com

Aveți întrebări despre produsele noastre?
Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.

**Date****Electrical data****Ratings per IEC/EN 60664-1**

| | |
|-----------------------------|--|
| Ratings per | IEC/EN 60947-7-1 |
| Nominal voltage (III/3) | 800 V |
| Rated surge voltage (III/3) | 8 kV |
| Rated current | 32 A |
| Legend (ratings) | (III / 3) \triangleq Overvoltage category III / Pollution degree 3 |

Connection data

| | |
|-----------------------------------|--|
| Connection technology | CAGE CLAMP® |
| Actuation type | Operating tool |
| Connectable conductor materials | Copper Aluminum |
| Solid conductor | 0,08 ... 4 mm ² / 28 ... 12 AWG |
| Fine-stranded conductor | 0,08 ... 4 mm ² / 28 ... 12 AWG |
| Strip length | 9 ... 10 mm / 0.35 ... 0.39 inch |
| Total number of connection points | 3 |
| Total number of potentials | 1 |
| Number of levels | 1 |
| Wiring type | Front-entry wiring |

Geometrical Data

| | |
|------------------------------------|----------------------|
| Width | 6 mm / 0.236 inch |
| Height from upper-edge of DIN-rail | 29 mm / 1.142 inch |
| Depth | 73,5 mm / 2.894 inch |

Mechanical data

| | |
|---------------|-----------------|
| Design | horizontal type |
| Mounting type | DIN-35 rail |
| Marking level | Center marking |

Material Data

| | |
|-------|--------|
| Color | yellow |
|-------|--------|

Supus modificărilor.

WAGO Kontakttechnik GmbH & Co. KG
 /Representative Office Romania
 Sos. Pipera-Tunari nr. 1/1
 building 1, 2nd floor | 077190 Voluntari, Ilfov
 Tel.: +40-(0)31 421 85 68 | Email: info-RO@wago.com

Aveți întrebări despre produsele noastre?
 Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.




| | |
|---------------------|----------------------|
| Insulation material | Polyamide 66 (PA 66) |
| Fire load | 0,174 MJ |
| Weight | 10,9 g |

Commercial data




| | |
|-----------------------|---------------|
| Packaging type | BOX |
| Country of origin | DE |
| GTIN | 4044918484978 |
| Customs tariff number | 85369010000 |

Aprobări / certificate

Country specific Approvals

| Emblemă | Aprobare | Text de aprobare suplimentar | Nume certificat |
|--|--|------------------------------|-----------------|
|  | CCA DEKRA Certification B.V. | EN 60947, IEC 60947 | NTR NL-7454/A1 |
|  | CSA DEKRA Certification B.V. | C22.2 No. 158 | 1505034 |
|  | KEMA/KEUR DEKRA Certification B.V. | EN 60947 | 71-107288 |

Ship Approvals

| Emblemă | Aprobare | Text de aprobare suplimentar | Nume certificat |
|---|---|------------------------------|------------------|
|  | ABS American Bureau of Shipping | - | 20-HG1941090-PDA |
|  | BV Bureau Veritas S.A. | EN 60947 | 07436/E0 BV |
|  | DNV GL Det Norske Veritas, Germanischer Lloyd | - | TAE00001V2 |

Supus modificărilor.

WAGO Kontakttechnik GmbH & Co. KG
/Representative Office Romania
Sos. Pipera-Tunari nr. 1/1
building 1, 2nd floor | 077190 Voluntari, Ilfov
Tel.: +40-(0)31 421 85 68 | Email: info-RO@wago.com

Aveți întrebări despre produsele noastre?
Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.




LR
Lloyds Register

EN 60947

91/20112
(E9)

UL-Approvals

| Emblemă | Aprobare | Text de aprobare suplimentar | Nume certificat |
|--|--|------------------------------|-----------------|
|  | <p>UL Underwriters Laboratories Inc.</p> | UL 1059 | 20170731-E45172 |

Counterpart

Produse compatibile

assembling



Nr. articol: 209-106
Mounting carrier; for isolated mounting on DIN 35 rails; gray

www.wago.com/209-106



Nr. articol: 709-153
Cover; Type 1; suitable for cover carrier, type 1; 1 m long; transparent

www.wago.com/709-153

Insulation stop



Nr. articol: 281-470
Insulation stop; 0.08 - 0.2 mm² "s" (0.14 mm² "f-st"); 5 pieces/strip; white

www.wago.com/281-470



Nr. articol: 281-471
Insulation stop; 0.25 - 0.5 mm²; 5 pieces/strip; light gray

www.wago.com/281-471



Nr. articol: 281-472
Insulation stop; 0.75 - 1.5 mm²; 5 pieces/strip; dark gray

















www.wago.com/281-472

Carrier rail

Supus modificărilor.

WAGO Kontakttechnik GmbH & Co. KG
/Representative Office Romania
Sos. Pipera-Tunari nr. 1/1
building 1, 2nd floor | 077190 Voluntari, Ilfov
Tel.: +40-(0)31 421 85 68 | Email: info-RO@wago.com

Aveți întrebări despre produsele noastre?
Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.

| | | |
|--|--|--|
|  | Nr. articol: 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 | www.wago.com/210-112 |
|  | Nr. articol: 210-113 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715 | www.wago.com/210-113 |
|  | Nr. articol: 210-114 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715 | www.wago.com/210-114 |
|  | Nr. articol: 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 | www.wago.com/210-115 |
|  | Nr. articol: 210-118 Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715 | www.wago.com/210-118 |
|  | Nr. articol: 210-196 Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored | www.wago.com/210-196 |
|  | Nr. articol: 210-197 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715 | www.wago.com/210-197 |
|  | Nr. articol: 210-198 Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored | www.wago.com/210-198 |
|  | Nr. articol: 210-504 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715 | www.wago.com/210-504 |
|  | Nr. articol: 210-505 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715 | www.wago.com/210-505 |
|  | Nr. articol: 210-506 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715 | www.wago.com/210-506 |
|  | Nr. articol: 210-508 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715 | www.wago.com/210-508 |
| Protective Warning Marker | | |
|  | Nr. articol: 281-415 Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks; yellow | www.wago.com/281-415 |
| check | | |
|  | Nr. articol: 209-170 Test plug adapter; 8.3 mm wide; for 4 mm Ø test plugs; suitable for 1.5 mm ² - 10 mm ² tbs; gray | www.wago.com/209-170 |
|  | Nr. articol: 280-404 Test plug adapter; 5 mm wide; for test plug 210-137 (2.3 mm Ø); suitable for 1.5 mm ² - 4 mm ² tbs; gray | www.wago.com/280-404 |
|  | Nr. articol: 281-418 Test plug module; modular; suitable for all WAGO 281, 776, 777 and 781 series rail-mounted terminal blocks with jumper slots in the current bar; gray | www.wago.com/281-418 |














Supus modificărilor.



Nr. articol: 281-419
Spacer module; modular; bridging commoned terminal blocks; gray

www.wago.com/281-419
















ferrule

| | | |
|--|---|--|
|  | Nr. articol: 216-106 Ferrule; Sleeve for 2.5 mm ² / AWG 14; uninsulated; electro-tin plated | www.wago.com/216-106 |
|  | Nr. articol: 216-201 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; white | www.wago.com/216-201 |
|  | Nr. articol: 216-202 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; gray | www.wago.com/216-202 |
|  | Nr. articol: 216-203 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; red | www.wago.com/216-203 |
|  | Nr. articol: 216-204 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; black | www.wago.com/216-204 |
|  | Nr. articol: 216-205 Ferrule; Sleeve for 2.08 mm ² / AWG 14; insulated; electro-tin plated; yellow | www.wago.com/216-205 |
|  | Nr. articol: 216-206 Ferrule; Sleeve for 2.5 mm ² / AWG 14; insulated; electro-tin plated; blue | www.wago.com/216-206 |
|  | Nr. articol: 216-241 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white | www.wago.com/216-241 |
|  | Nr. articol: 216-242 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray | www.wago.com/216-242 |
|  | Nr. articol: 216-243 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red | www.wago.com/216-243 |
|  | Nr. articol: 216-244 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black | www.wago.com/216-244 |
|  | Nr. articol: 216-246 Ferrule; Sleeve for 2.5 mm ² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue | www.wago.com/216-246 |
| | Nr. articol: 216-301 Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated; yellow | www.wago.com/216-301 |
|  | Nr. articol: 216-302 Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated; green | www.wago.com/216-302 |

Marking accessories

| | | |
|--|--|--|
|  | Nr. articol: 2009-115 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white | www.wago.com/2009-115 |
|--|--|--|

Supus modificărilor.

| | | |
|--|--|--|
|  | Nr. articol: 2009-115/000-002 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow | www.wago.com/2009-115/000-002 |
|  | Nr. articol: 2009-115/000-006 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue | www.wago.com/2009-115/000-006 |
|  | Nr. articol: 2009-115/000-007 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray | www.wago.com/2009-115/000-007 |
|  | Nr. articol: 2009-115/000-012 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange | www.wago.com/2009-115/000-012 |
|  | Nr. articol: 2009-115/000-017 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; light green | www.wago.com/2009-115/000-017 |
|  | Nr. articol: 2009-115/000-023 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green | www.wago.com/2009-115/000-023 |
|  | Nr. articol: 2009-115/000-024 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet | www.wago.com/2009-115/000-024 |
|  | Nr. articol: 209-140 Group marker carrier; gray | www.wago.com/209-140 |
|  | Nr. articol: 209-141 Group marker carrier; gray | www.wago.com/209-141 |
|  | Nr. articol: 209-142 Group marker carrier; gray | www.wago.com/209-142 |
|  | Nr. articol: 209-185 Adaptor; gray | www.wago.com/209-185 |
|  | Nr. articol: 249-105 Group marker carrier; gray | www.wago.com/249-105 |
|  | Nr. articol: 793-501 WMB marking card; as card; not stretchable; plain; snap-on type; white | www.wago.com/793-501 |
|  | Nr. articol: 793-501/000-002 WMB marking card; as card; not stretchable; plain; snap-on type; yellow | www.wago.com/793-501/000-002 |
|  | Nr. articol: 793-501/000-005 WMB marking card; as card; not stretchable; plain; snap-on type; red | www.wago.com/793-501/000-005 |

Supus modificărilor.



Nr. articol: 793-501/000-006
WMB marking card; as card; not stretchable; plain; snap-on type; blue

www.wago.com/793-501/000-006



Nr. articol: 793-501/000-007
WMB marking card; as card; not stretchable; plain; snap-on type; gray

www.wago.com/793-501/000-007



Nr. articol: 793-501/000-012
WMB marking card; as card; not stretchable; plain; snap-on type; orange

www.wago.com/793-501/000-012



Nr. articol: 793-501/000-017
WMB marking card; as card; not stretchable; plain; snap-on type; light green

www.wago.com/793-501/000-017



Nr. articol: 793-501/000-023
WMB marking card; as card; not stretchable; plain; snap-on type; green

www.wago.com/793-501/000-023



Nr. articol: 793-501/000-024
WMB marking card; as card; not stretchable; plain; snap-on type; violet

www.wago.com/793-501/000-024



Nr. articol: 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

www.wago.com/793-5501



Nr. articol: 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

www.wago.com/793-5501/000-002



Nr. articol: 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

www.wago.com/793-5501/000-005



Nr. articol: 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

www.wago.com/793-5501/000-006



Nr. articol: 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

www.wago.com/793-5501/000-007



Nr. articol: 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

www.wago.com/793-5501/000-012



Nr. articol: 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; green

www.wago.com/793-5501/000-017

Nr. articol: 793-5501/000-023

Supus modificărilor.



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

www.wago.com/793-5501/000-023



Nr. articol: 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

www.wago.com/793-5501/000-024

tools



Nr. articol: 210-657

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

www.wago.com/210-657



Nr. articol: 210-658

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

www.wago.com/210-658



Nr. articol: 210-720

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

www.wago.com/210-720

End plate



Nr. articol: 281-324

End and intermediate plate; 2.5 mm thick; gray

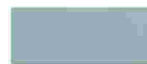
www.wago.com/281-324



Nr. articol: 281-326

End and intermediate plate; 2.5 mm thick; orange

www.wago.com/281-326



Nr. articol: 281-344

Separator plate; 2 mm thick; oversized; gray

www.wago.com/281-344



Nr. articol: 281-346

Separator plate; 2 mm thick; oversized; orange

www.wago.com/281-346



Nr. articol: 284-334

Step-down cover plate; 1 mm thick; for 2-, 3- and 4-conductor terminal blocks; gray

www.wago.com/284-334



Nr. articol: 284-344

Step-down cover plate; 1 mm thick; for 2-, 3- and 4-conductor terminal blocks; orange

www.wago.com/284-344

General accessories



Nr. articol: 281-407

Test plug; 6 mm wide; Nominal current 24 A; for 0.08 mm² - 2.5 mm²; 2,50 mm²; gray

www.wago.com/281-407

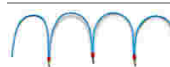
Jumper



Nr. articol: 210-103

Wire commoning chain; insulated; 50 connections; black

www.wago.com/210-103



Nr. articol: 210-123

Wire commoning chain; insulated; 50 connections

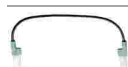
www.wago.com/210-123



Nr. articol: 249-123

Push-in type wire jumper; insulated; wire length 180 mm; Conductor cross section 0.75 mm²

www.wago.com/249-123




















Nr. articol: 249-125

Push-in type wire jumper; insulated; wire length 60 mm; Conductor cross section 0.75 mm²

www.wago.com/249-125

Supus modificărilor.

| | | |
|--|---|--|
|  | Nr. articol: 249-126 Push-in type wire jumper; insulated; wire length 110 mm; Conductor cross section 0.75 mm ² | www.wago.com/249-126 |
|  | Nr. articol: 249-127 Push-in type wire jumper; insulated; wire length 250 mm; Conductor cross section 0.75 mm ² | www.wago.com/249-127 |
|  | Nr. articol: 281-402 Adjacent jumper; insulated; IN = IN terminal block; gray | www.wago.com/281-402 |
|  | Nr. articol: 281-409 Alternate jumper; insulated; IN = IN terminal block; gray | www.wago.com/281-409 |
|  | Nr. articol: 281-422 Adjacent jumper; insulated; IN = IN terminal block; yellow-green | www.wago.com/281-422 |
|  | Nr. articol: 281-482 Comb-style jumper bar; insulated; 2-way; IN = IN terminal block; gray | www.wago.com/281-482 |
|  | Nr. articol: 281-483 Comb-style jumper bar; insulated; 3-way; IN = IN terminal block; gray | www.wago.com/281-483 |
|  | Nr. articol: 281-485 Comb-style jumper bar; insulated; 5-way; IN = IN terminal block; gray | www.wago.com/281-485 |
|  | Nr. articol: 281-490 Comb-style jumper bar; insulated; 10-way; IN = IN terminal block; gray | www.wago.com/281-490 |
|  | Nr. articol: 281-492 Alternate comb-style jumper bar; insulated; 2-way; IN = IN terminal block; gray | www.wago.com/281-492 |
|  | Nr. articol: 283-414 Step-down jumper; insulated; from 16 mm ² to 4 mm ² ; Nominal current 32 A; gray | www.wago.com/283-414 |
|  | Nr. articol: 284-413 Step-down jumper; insulated; from 10/6 mm ² to 6/4 mm ² ; Nominal current 30 A; gray | www.wago.com/284-413 |
|  | Nr. articol: 284-414 Step-down jumper; insulated; from 10/6 mm ² to 4/2.5/1.5 mm ² ; Nominal current 15 A; gray | www.wago.com/284-414 |
|  | Nr. articol: 709-110 Wire commoning chain; insulated; 4 connections; 3 x 110 mm; black | www.wago.com/709-110 |
|  | Nr. articol: 709-111 Wire commoning chain; insulated; 3 connections; 2 x 120 mm; black | www.wago.com/709-111 |
|  | Nr. articol: 709-112 Wire commoning chain; insulated; 3 connections; 2 x 170 mm; black | www.wago.com/709-112 |
|  | Nr. articol: 781-452 Staggered jumper; insulated; from 1 to 2; Spacing: 6 mm; gray | www.wago.com/781-452 |
|  | Nr. articol: 781-453 Staggered jumper; insulated; from 1 to 3; Spacing: 6 mm; gray | www.wago.com/781-453 |

Supus modificărilor.



Nr. articol: 781-454

Staggered jumper; insulated; from 1 to 4; Spacing: 6 mm; gray

www.wago.com/781-454



Nr. articol: 781-455

Staggered jumper; insulated; from 1 to 5; Spacing: 6 mm; gray

www.wago.com/781-455



Nr. articol: 781-456

Staggered jumper; insulated; from 1 to 6; Spacing: 6 mm; gray

www.wago.com/781-456

Descărcări

Documentation

Additional Information

Technical explanations

Apr 3, 2019

pdf
2,1 MB

Descărcare

CAD/CAE-Data

CAD data

2D/3D Models 281-686

URL

Descărcare

CAE data

EPLAN Data Portal 281-686

URL

Descărcare

WSCAD Universe 281-686

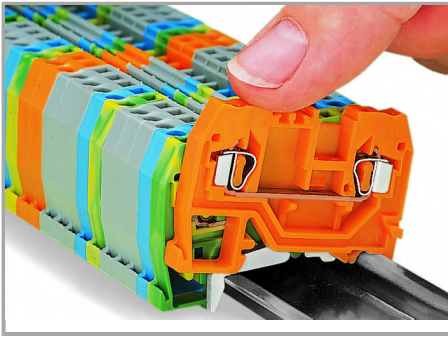
URL

Descărcare

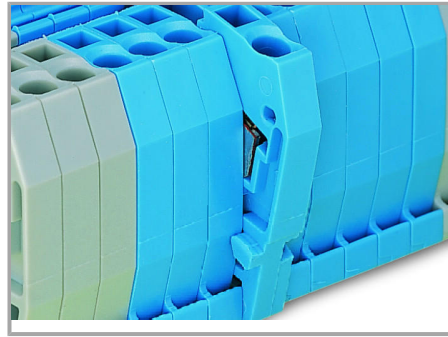
Installation Notes

Assembly

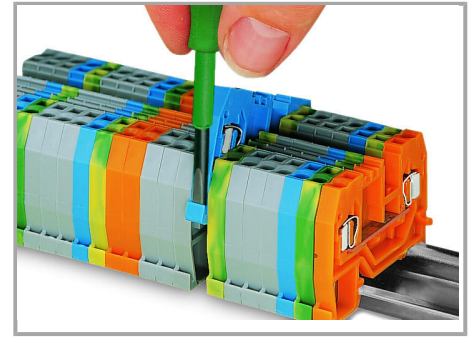
Supus modificărilor.



Snapping a terminal block onto the carrier rail.

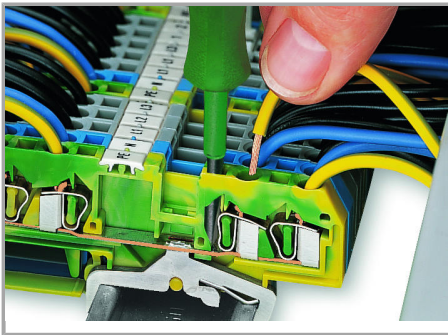


Quick assembly keys prevent reverse mounting.



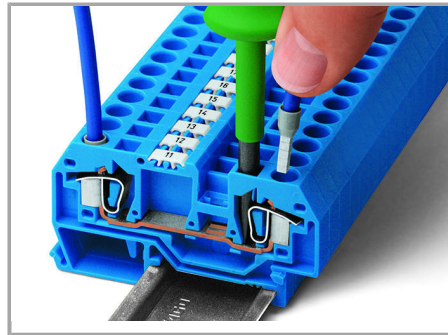
Removing a terminal block from the assembly.

Inserting a conductor



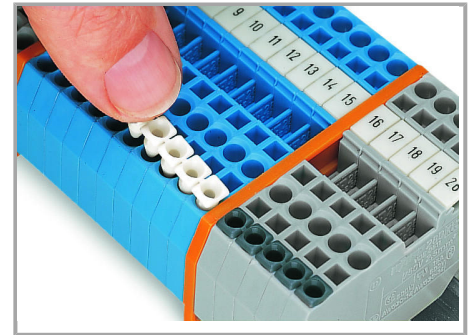
CAGE CLAMP® connection

Inserting a conductor.



CAGE CLAMP® connection

Inserting a conductor.

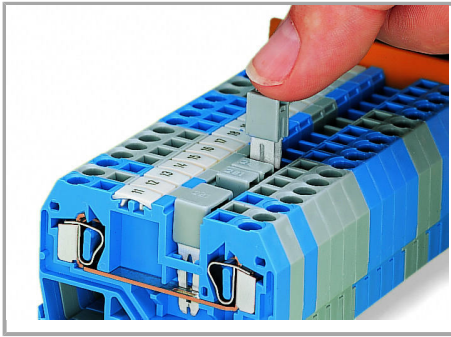


Inserting insulation stops.

With ferruled conductors, it is necessary to use a terminal block one size larger than the conductor's nominal cross-section.

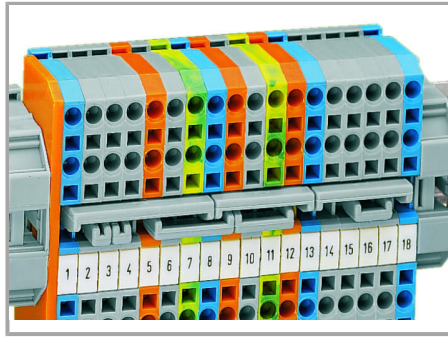
Commoning

Supus modificărilor.

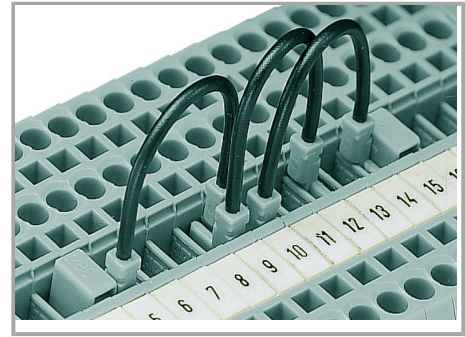


Commoning using an adjacent jumper (280-402).

Push jumper down until fully inserted.



Staggered jumpers for sophisticated circuit requirements – push jumpers down until fully inserted.



Wire jumpers

When installing machines or control systems, it is often necessary to make an additional connection between two terminal blocks that are not next to each other on the rail. In such cases, WAGO's touch-proof, push-in type wire jumpers are the ideal solution.

These jumpers are compatible with the following rail-mount terminal blocks:

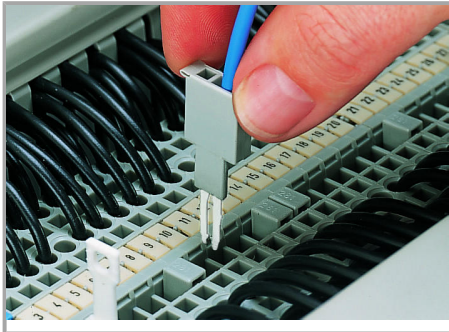
- 279 Series (1.5 mm²/16 AWG),
-
- 280/775/780 Series (2.5 mm²/14 AWG)
-
- 281/769/776/777/781 and 880 Series (4 mm²/12 AWG)
-

They are available in three conductor lengths (60, 110 and 250 mm), allowing up to 60 terminal blocks to be commoned depending on their width (see table on the right).

Supus modificărilor.

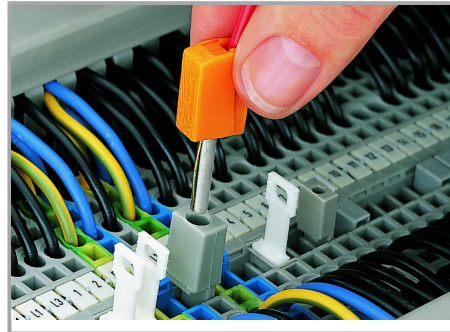
Compared with the 279 Series, the 280/775 /780 and 281/776/777/781 Series can also accommodate two wire jumpers, allowing the use of commoning chains. Furthermore, the 280/769/775/780/880 and 281/776/777 /781 Series allow both wire jumper and adjacent jumper to be simultaneously plugged into a same terminal block.

Testing



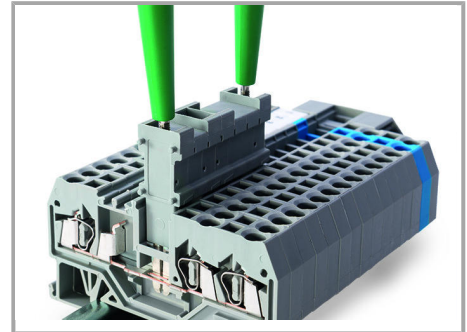
Testing with a test plug

(picture shows a test plug fitted with CAGE CLAMP®).



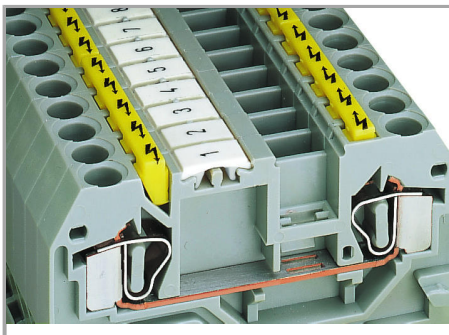
Testing with a test plug

(picture shows 209-170 Test Plug Adapter).



The test plug modules are directly plugged into the jumper contact slot of the current bar.

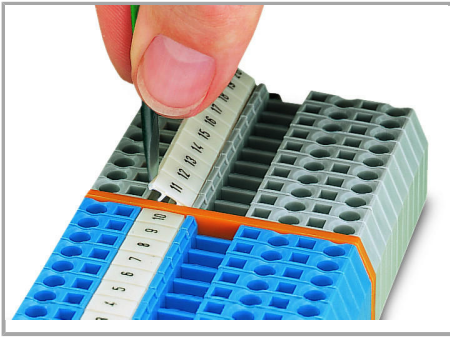
Cover



Protective warning markers inserted into the operating slots.

Marking

Supus modificărilor.



Marking via WMB Multi Marking System.

Supus modificărilor.