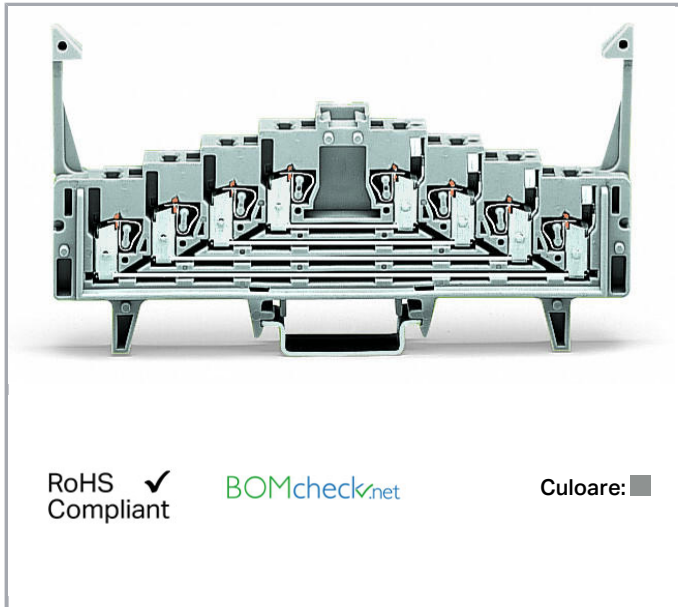


Fișă tehnică | Număr articol: 727-229/022-000

4-level terminal block for matrix patching; for 35 x 15 mounting rail; 1,50 mm²; gray

www.wago.com/727-229/022-000



Date

Electrical data

Ratings per IEC/EN 60664-1

| | |
|-----------------------------|---|
| Nominal voltage (III/3) | 250 V |
| Rated surge voltage (III/3) | 4 kV |
| Rated current | 12 A |
| Legend (ratings) | (III / 3) ≙ Overvoltage category III / Pollution degree 3 |

Connection data

| | |
|-----------------------------------|--|
| Connection technology | CAGE CLAMP® |
| Actuation type | Operating tool |
| Connectable conductor materials | Copper |
| Solid conductor | 0.08 ... 1.5 mm ² / 28 ... 16 AWG |
| Fine-stranded conductor | 0.08 ... 1.5 mm ² / 28 ... 16 AWG |
| Strip length | 8 ... 10 mm / 0.31 ... 0.39 inch |
| Total number of connection points | 16 |

Supus modificărilor.

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/Representative Office Romania
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| | |
|----------------------------|--------------------|
| Total number of potentials | 4 |
| Number of levels | 4 |
| Wiring type | Front-entry wiring |

Geometrical Data

| | |
|------------------------------------|---------------------|
| Width | 7.62 mm / 0.3 inch |
| Height from upper-edge of DIN-rail | 62 mm / 2.441 inch |
| Depth | 126 mm / 4.961 inch |

Mechanical data

| | |
|---------------|------------------|
| Design | horizontal |
| Mounting type | DIN-35 rail |
| Marking | a-b-c-d--d-c-b-a |
| Marking level | Center marking |

Material Data


| | |
|---------------------|----------------------|
| Color | gray |
| Insulation material | Polyamide 66 (PA 66) |
| Fire load | 0,561 MJ |
| Weight | 32,7 g |

Commercial data

| | |
|-----------------------|---------------|
| Packaging type | BOX |
| Country of origin | DE |
| GTIN | 4045454189266 |
| Customs tariff number | 85369010000 |

Aprobări / certificate

Country specific Approvals

| Emblemă | Aprobare | Text de aprobare suplimentar | Nume certificat |
|--|--|------------------------------|-----------------|
|  | CCA DEKRA Certification B.V. | EN 60947 | NTR NL 7485 |
| | CSA DEKRA Certification B.V. | C22.2 No. 158 | 70048845 |

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KEMA/KEUR
DEKRA Certification B.V.

EN 60947

2192101.01



Counterpart

Produse compatibile

Jumper



Nr. articol: 709-107

Wire commoning chain; insulated; 32 connections; gray

www.wago.com/709-107

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



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

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| | | |
|--|---|--|
|  | 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: 209-128 Adaptor; gray | www.wago.com/209-128 |
|  | 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 |
|  | 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 |

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**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

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**Insulation stop****Nr. articol:** 727-197Insulation stop; 0.08 - 0.2 mm² "s" (0.14 mm² "f-st"); 8 pieces/strip; whitewww.wago.com/727-197**Nr. articol:** 727-198Insulation stop; 0.25 mm² "s"; 0.14 - 0.25 mm² "f-st"; 8 pieces/strip; light graywww.wago.com/727-198**Nr. articol:** 727-199Insulation stop; 0.25 - 0.5 mm² "s+f-st"; 8 pieces/strip; dark graywww.wago.com/727-199**General accessories****Nr. articol:** 249-109

Wire harness support; gray

www.wago.com/249-109**tools****Nr. articol:** 210-647



















Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

www.wago.com/210-647**Nr. articol:** 210-719

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

www.wago.com/210-719**ferrule**

















Supus modificărilor.

| | | |
|--|---|--|
|  | Nr. articol: 216-101 Ferrule; Sleeve for 0.5 mm ² / AWG 22; uninsulated; electro-tin plated | www.wago.com/216-101 |
|  | Nr. articol: 216-102 Ferrule; Sleeve for 0.75 mm ² / AWG 20; uninsulated; electro-tin plated | www.wago.com/216-102 |
|  | Nr. articol: 216-103 Ferrule; Sleeve for 1 mm ² / AWG 18; uninsulated; electro-tin plated | www.wago.com/216-103 |
|  | Nr. articol: 216-104 Ferrule; Sleeve for 1.5 mm ² / AWG 16; uninsulated; electro-tin plated | www.wago.com/216-104 |
|  | Nr. articol: 216-121 Ferrule; Sleeve for 0.5 mm ² / AWG 22; uninsulated; electro-tin plated | www.wago.com/216-121 |
|  | Nr. articol: 216-122 Ferrule; Sleeve for 0.75 mm ² / AWG 20; uninsulated; electro-tin plated | www.wago.com/216-122 |
|  | Nr. articol: 216-123 Ferrule; Sleeve for 1 mm ² / AWG 18; uninsulated; electro-tin plated | www.wago.com/216-123 |
|  | Nr. articol: 216-124 Ferrule; Sleeve for 1.5 mm ² / AWG 16; uninsulated; electro-tin plated | www.wago.com/216-124 |
|  | Nr. articol: 216-131 Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated | www.wago.com/216-131 |
|  | Nr. articol: 216-132 Ferrule; Sleeve for 0.34 mm ² / AWG 24; uninsulated; electro-tin plated | www.wago.com/216-132 |
|  | Nr. articol: 216-151 Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated | www.wago.com/216-151 |
|  | Nr. articol: 216-152 Ferrule; Sleeve for 0.34 mm ² / AWG 24; uninsulated; electro-tin plated | www.wago.com/216-152 |
|  | 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: 216-221 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; white | www.wago.com/216-221 |
|  | Nr. articol: 216-222 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; gray | www.wago.com/216-222 |

Supus modificărilor.








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| | | |
|--|---|--|
|  | Nr. articol: 216-223 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; red | www.wago.com/216-223 |
|  | Nr. articol: 216-224 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; black | www.wago.com/216-224 |
| | 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 |
| | Nr. articol: 216-321 Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated; yellow | www.wago.com/216-321 |
|  | Nr. articol: 216-322 Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated; green | www.wago.com/216-322 |
| Carrier rail | | |
|  | 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 |

Supus modificărilor.

End plate

| | | |
|--|---|--|
|  | Nr. articol: 727-205 4-level end plate; marking: 0-1-2-3--3-2-1-0; 7.62 mm thick; orange | www.wago.com/727-205 |
|  | Nr. articol: 727-206 4-level end plate; marking: a-b-c-d--d-c-b-a; 7.62 mm thick; orange | www.wago.com/727-206 |
|  | Nr. articol: 727-207 4-level end plate; marking: 3-2-1-0--0-1-2-3; 7.62 mm thick; orange | www.wago.com/727-207 |
|  | Nr. articol: 727-208 4-level end plate; marking: d-c-b-a--a-b-c-d; 7.62 mm thick; orange | www.wago.com/727-208 |
|  | Nr. articol: 727-217 4-level end plate; plain; 7.62 mm thick; orange | www.wago.com/727-217 |
|  | Nr. articol: 727-256 4-level end plate; marking: a-b-c-d--d-c-b-a; 7.62 mm thick; gray/gray | www.wago.com/727-256 |
|  | Nr. articol: 727-266 4-level end plate; marking: a-b-c-d--d-c-b-a; 7.62 mm thick; blue | www.wago.com/727-266 |

check

| | | |
|---|--|--|
|  | Nr. articol: 210-137 Test plug; 2.3 mm Ø; with 500 mm cable; yellow | www.wago.com/210-137 |
|  | Nr. articol: 210-297 Step-down test plug; from 4mm socket to 2mm plug; red | www.wago.com/210-297 |

Descărcări**Documentation****Additional Information**

| | | | |
|------------------------|-------------|---------------|------------|
| Technical explanations | Apr 3, 2019 | pdf 2,1 MB | Descărcare |
|------------------------|-------------|---------------|------------|

CAD/CAE-Data**CAD data**

| | | |
|------------------------------|-----|------------|
| 2D/3D Models 727-229/022-000 | URL | Descărcare |
|------------------------------|-----|------------|

CAE data

| | | |
|-----------------------------------|-----|------------|
| EPLAN Data Portal 727-229/022-000 | URL | Descărcare |
|-----------------------------------|-----|------------|

| | | |
|--------------------------------|-----|------------|
| WSCAD Universe 727-229/022-000 | URL | Descărcare |
|--------------------------------|-----|------------|

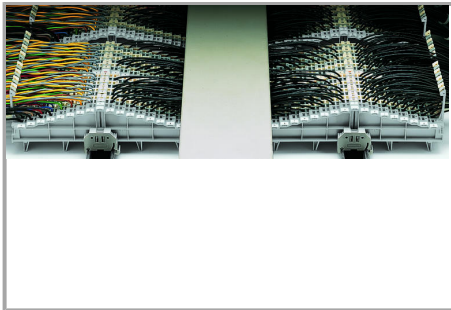
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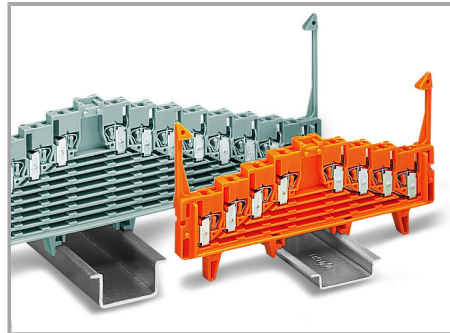
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Installation Notes

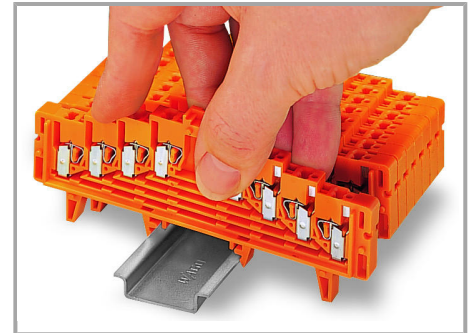
Assembly



Example:



Terminal blocks for DIN 35 x 7.5 mm or DIN 35 x 15 mm rails are available.

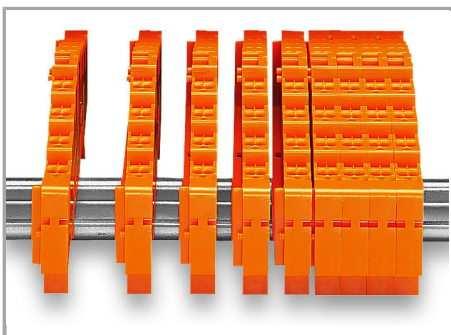


Snap individual 4- or 8-level terminal blocks onto the carrier rail.

Left: Main cables fed through locking clips on the field side

Right: Control cables fed between locking clips

Center: Wiring of both patching sides



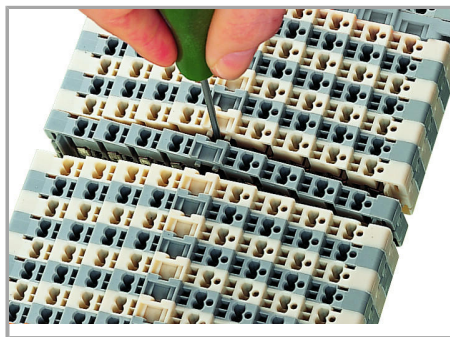
Slide terminal blocks together.

Supus modificărilor.

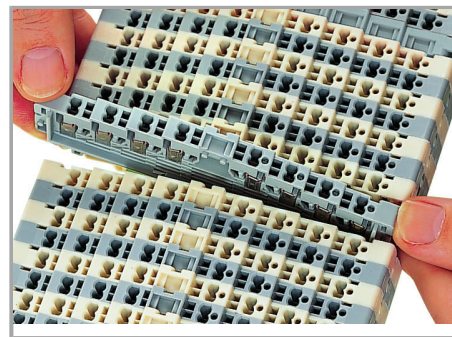


Grip end plate at both sides and:

- push down (assembly)
-
- pull up (removal)
-



Open the assembly by laterally sliding a block via operating tool (2.5 x 0.4 mm blade).



Slide terminal block and remove from the rail with a levering action.

Inserting a conductor



CAGE CLAMP® connection

Inserting a conductor via 210-719 Operating Tool (2.5 x 0.4 mm blade).

Max. cross section for uninsulated ferrules
1 mm² / 18 AWG, for insulated ferrules
0.75 mm² / 20 AWG.

Testing

Supus modificărilor.



Special test contact for 2.3 mm Ø test plug.

Ex Application



Blue terminal blocks for matrix patching are suitable for Ex i applications.



Using terminal blocks with locking clips, the wiring space between the terminal strips can be covered with a wiring duct cover.

Marking

Supus modificărilor.



Connection points identified via factory-direct printing



Marking coordinates via WMB Multi Marking System.

Supus modificărilor.