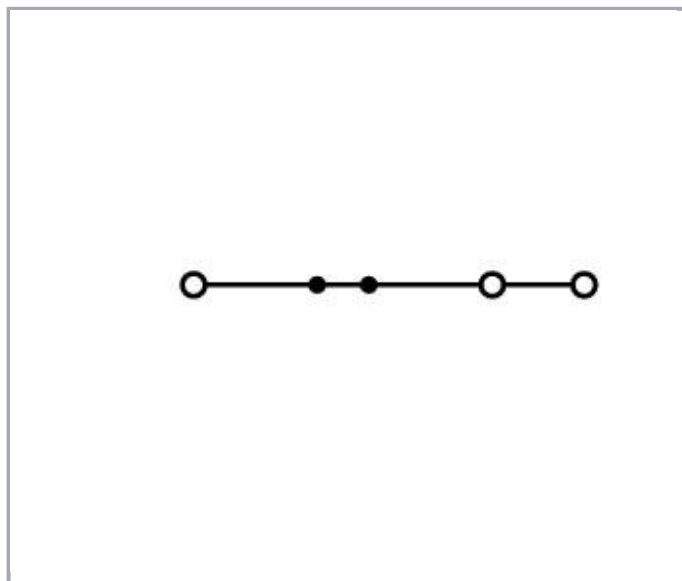
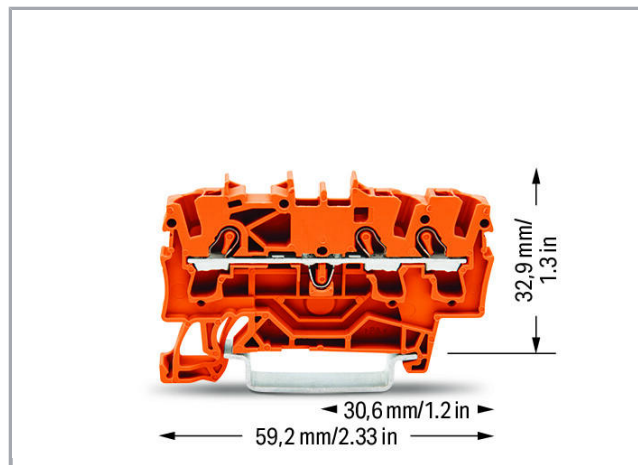
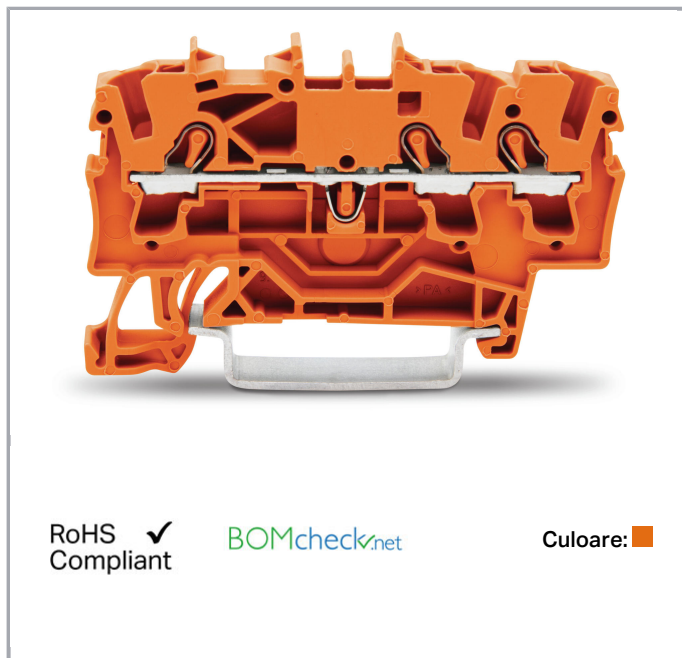


Fișă tehnică | Număr articol: 2002-1302

3-conductor through terminal block; 2.5 mm²; suitable for Ex e II applications; side and center marking; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm²; orange

www.wago.com/2002-1302



Date

Electrical data

Supus modificărilor.

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building 1, 2nd floor | 077190 Voluntari, Ilfov
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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 | 24 A |
| Rated current 2 | 32 A |
| Legend (ratings) | (III / 3) ≙ Overvoltage category III / Pollution degree 3 |

Approvals per UL 1059

| | |
|--------------------------------|---------|
| Rated voltage UL (Use Group B) | 600 V |
| Rated current UL (Use Group B) | 20 A |
| Rated voltage UL (Use Group C) | 600 V |
| Rated current UL (Use Group C) | 20 A |
| Approvals per | UL 1059 |

Approvals per CSA

| | |
|---------------------------------|-------|
| Rated voltage CSA (Use Group B) | 600 V |
| Rated current CSA (Use Group B) | 20 A |
| Rated voltage CSA (Use Group C) | 600 V |
| Rated current CSA (Use Group C) | 20 A |

Approvals Ex

| | |
|-------------------------------------|-------|
| Rated voltage EN (Ex e II) | 550 V |
| Rated current (Ex e II) | 22 A |
| Rated current (Ex e II) with jumper | 20 A |

Connection data

| | |
|---|--|
| Connection technology | Push-in CAGE CLAMP® |
| Actuation type | Push-in Open Tool Slot |
| Connectable conductor materials | Copper |
| Nominal cross-section | 2,5 mm ² |
| Solid conductor | 0,25 ... 4 mm ² / 22 ... 12 AWG |
| Solid conductor; push-in termination | 0,75 ... 4 mm ² / 18 ... 12 AWG |
| Fine-stranded conductor | 0,25 ... 4 mm ² / 22 ... 12 AWG |
| Fine-stranded conductor; with insulated ferrule | 1 ... 2,5 mm ² / 18 ... 12 AWG |

Supus modificărilor.



| | |
|--|---|
| Fine-stranded conductor; with ferrule; push-in termination | 1 ... 2,5 mm ² / 18 ... 12 AWG |
| Strip length | 10 ... 12 mm / 0.39 ... 0.47 inch |
| Total number of connection points | 3 |
| Total number of potentials | 1 |
| Number of levels | 1 |
| Wiring type | Front-entry wiring |
| Note (conductor cross-section) | Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination. |
| Number of jumper slots | 2 |

Geometrical Data

| | |
|------------------------------------|----------------------|
| Width | 5,2 mm / 0.205 inch |
| Height from upper-edge of DIN-rail | 32,9 mm / 1.295 inch |
| Depth | 59,2 mm / 2.33 inch |

Mechanical data

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

Material Data

| | |
|---------------------|----------------------|
| Color | orange |
| Insulation material | Polyamide 66 (PA 66) |
| Fire load | 0,104 MJ |
| Weight | 5,9 g |

Commercial data

| | |
|-----------------------|---------------|
| Product Group | 22 (TOPJOB S) |
| Packaging type | BOX |
| Country of origin | DE |
| GTIN | 4017332999267 |
| Customs tariff number | 85369010000 |

Aprobări / certificate

Ex-Approvals

| Emblemă | Aprobare | Text de aprobare suplimentar | Nume certificat |
|---------|----------|------------------------------|-----------------|
| | | | |




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| | | | |
|--|--|-----------|--|
|  | AEx Underwriters Laboratories Inc. | UL 60079 | 20190704- E185892 |
|  | ATEX Physikalisch Technische Bundesanstalt (PTB) | EN 60079 | PTB 03 ATEX 1162 U (II 2 G/D Ex e II bzw. I M 2 Ex e I) |
|  | IECEX Physikalisch Technische Bundesanstalt | IEC 60079 | IECEX PTB 03.0004U (Ex eb IIC Gb or Ex eb I Mb) |

Country specific Approvals

| Emblemă | Aprobare | Text de aprobare suplimentar | Nume certificat |
|--|--|------------------------------|-----------------|
|  | CCA DEKRA Certification B.V. | EN 60947 | NTR NL 7730 |
|  | CSA DEKRA Certification B.V. | C22.2 No. 158 | 1536069 |
|  | KEMA/KEUR DEKRA Certification B.V. | EN 60947 | 71- 107687 |

Ship Approvals

| Emblemă | Aprobare | Text de aprobare suplimentar | Nume certificat |
|---|---|------------------------------|--------------------------|
|  | ABS American Bureau of Shipping | EN 60947 | 20- HG1941090- PDA |
|  | BV Bureau Veritas S.A. | EN 60947 | 38586/A0 BV |
| | DNV GL Det Norske Veritas, Germanischer Lloyd | - | TAE00001V2 |

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LR
Lloyds Register

EN 60947

91/20112
(E9)





UL-Approvals

| Emblemă | Aprobare | Text de aprobare suplimentar | Nume certificat |
|--|---|------------------------------|-----------------|
|  | cURus Underwriters Laboratories Inc. | UL 1059 | E45172 |

Counterpart

Produse compatibile

















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 |














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Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.

| | | |
|--|---|--|
|  | 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 |
| End plate | | |
|  | Nr. articol: 2002-1391 End and intermediate plate; 0.8 mm thick; gray | www.wago.com/2002-1391 |
|  | Nr. articol: 2002-1392 End and intermediate plate; 0.8 mm thick; orange | www.wago.com/2002-1392 |
|  | Nr. articol: 2002-1393 Separator plate; 2 mm thick; oversized; gray | www.wago.com/2002-1393 |
|  | Nr. articol: 2002-1394 Separator plate; 2 mm thick; oversized; orange | www.wago.com/2002-1394 |
|  | Nr. articol: 209-191 Separator for Ex e/Ex i applications; 3 mm thick; 120 mm wide; orange | www.wago.com/209-191 |
| Insulation stop | | |
|  | Nr. articol: 2002-171 Insulation stop; 0.25 - 0.5 mm ² ; 5 pieces/strip; light gray | www.wago.com/2002-171 |
|  | Nr. articol: 2002-172 Insulation stop; 0.75 - 1 mm ² ; 5 pieces/strip; dark gray | www.wago.com/2002-172 |
| Marking accessories | | |
|  | Nr. articol: 2002-161 Adaptor | www.wago.com/2002-161 |
| | Nr. articol: 2009-110 Marking strips; on reel; not stretchable; plain; snap-on type; white | www.wago.com/2009-110 |
















Supus modificărilor.

| | | |
|--|--|--|
|  | 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: 2009-115/000-005 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red | www.wago.com/2009-115/000-005 |
|  | 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: 2009-145 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white | www.wago.com/2009-145 |
|  | Nr. articol: 2009-145/000-002 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow | www.wago.com/2009-145/000-002 |
|  | Nr. articol: 2009-145/000-005 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red | www.wago.com/2009-145/000-005 |
|  | Nr. articol: 2009-145/000-006 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue | www.wago.com/2009-145/000-006 |















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| | | |
|--|--|--|
|  | Nr. articol: 2009-145/000-007 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray | www.wago.com/2009-145/000-007 |
|  | Nr. articol: 2009-145/000-012 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange | www.wago.com/2009-145/000-012 |
|  | Nr. articol: 2009-145/000-023 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green | www.wago.com/2009-145/000-023 |
|  | Nr. articol: 2009-145/000-024 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet | www.wago.com/2009-145/000-024 |
|  | Nr. articol: 2009-191 Group marker carrier | www.wago.com/2009-191 |
|  | Nr. articol: 2009-192 Group marker carrier | www.wago.com/2009-192 |
|  | Nr. articol: 2009-193 Group marker carrier | www.wago.com/2009-193 |
|  | Nr. articol: 2009-198 Adaptor | www.wago.com/2009-198 |
|  | Nr. articol: 248-501 Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card | www.wago.com/248-501 |
|  | Nr. articol: 248-501/000-002 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow | www.wago.com/248-501/000-002 |
|  | Nr. articol: 248-501/000-005 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red | www.wago.com/248-501/000-005 |
|  | Nr. articol: 248-501/000-006 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue | www.wago.com/248-501/000-006 |
|  | Nr. articol: 248-501/000-007 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray | www.wago.com/248-501/000-007 |
|  | Nr. articol: 248-501/000-012 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange | www.wago.com/248-501/000-012 |
|  | Nr. articol: 248-501/000-017 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green | www.wago.com/248-501/000-017 |

Supus modificărilor.

| | | |
|--|--|--|
|  | Nr. articol: 248-501/000-023 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green | www.wago.com/248-501/000-023 |
|  | Nr. articol: 248-501/000-024 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet | www.wago.com/248-501/000-024 |
|  | 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 |
|  | 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- | www.wago.com/793-5501/000-005 |

Supus modificărilor.

on type; red



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: 793-5501/000-014

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

www.wago.com/793-5501/000-014



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

ferrule



Nr. articol: 216-241

Ferrule; Sleeve for 0.5 mm² / 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 mm² / 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 mm² / 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 mm² / 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 mm² / 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: 216-262

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
















www.wago.com/216-262

Nr. articol: 216-263















Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight

www.wago.com/216-263

















Supus modificărilor.

| | | |
|---|---|--|
|  | crimped; acc. to DIN 46228, Part 4/09.90; red | |
|  | Nr. articol: 216-264 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/216-264 |
|  | Nr. articol: 216-266 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/216-266 |
| Protective Warning Marker | | |
|  | Nr. articol: 2002-115 Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks; yellow | www.wago.com/2002-115 |
| Jumper | | |
|  | Nr. articol: 2002-400 Adjacent jumper for continuous commoning; insulated; 2-way; Nominal current 25 A; light gray | www.wago.com/2002-400 |
|  | Nr. articol: 2002-402 Push-in type jumper bar; insulated; 2-way; Nominal current 25 A; light gray | www.wago.com/2002-402 |
|  | Nr. articol: 2002-402/000-005 Push-in type jumper bar; insulated; 2-way; Nominal current 25 A; red | www.wago.com/2002-402/000-005 |
|  | Nr. articol: 2002-402/000-006 Push-in type jumper bar; insulated; 2-way; Nominal current 25 A; blue | www.wago.com/2002-402/000-006 |
|  | Nr. articol: 2002-403 Push-in type jumper bar; insulated; 3-way; Nominal current 25 A; light gray | www.wago.com/2002-403 |
|  | Nr. articol: 2002-403/000-005 Push-in type jumper bar; insulated; 3-way; Nominal current 25 A; red | www.wago.com/2002-403/000-005 |
|  | Nr. articol: 2002-403/000-006 Push-in type jumper bar; insulated; 3-way; Nominal current 25 A; blue | www.wago.com/2002-403/000-006 |
|  | Nr. articol: 2002-404 Push-in type jumper bar; insulated; 4-way; Nominal current 25 A; light gray | www.wago.com/2002-404 |
|  | Nr. articol: 2002-404/000-005 Push-in type jumper bar; insulated; 4-way; Nominal current 25 A; red | www.wago.com/2002-404/000-005 |
|  | Nr. articol: 2002-404/000-006 Push-in type jumper bar; insulated; 4-way; Nominal current 25 A; blue | www.wago.com/2002-404/000-006 |
|  | Nr. articol: 2002-405 Push-in type jumper bar; insulated; 5-way; Nominal current 25 A; light gray | www.wago.com/2002-405 |

Supus modificărilor.

| | | |
|--|---|--|
|  | Nr. articol: 2002-405/000-005 Push-in type jumper bar; insulated; 5-way; Nominal current 25 A; red | www.wago.com/2002-405/000-005 |
|  | Nr. articol: 2002-405/000-006 Push-in type jumper bar; insulated; 5-way; Nominal current 25 A; blue | www.wago.com/2002-405/000-006 |
|  | Nr. articol: 2002-405/011-000 Star point jumper; insulated; 3-way (1-3-5); IN = IN terminal block; light gray | www.wago.com/2002-405/011-000 |
|  | Nr. articol: 2002-406 Push-in type jumper bar; insulated; 6-way; Nominal current 25 A; light gray | www.wago.com/2002-406 |
|  | Nr. articol: 2002-406/000-005 Push-in type jumper bar; insulated; 6-way; Nominal current 25 A; red | www.wago.com/2002-406/000-005 |
|  | Nr. articol: 2002-406/000-006 Push-in type jumper bar; insulated; 6-way; Nominal current 25 A; blue | www.wago.com/2002-406/000-006 |
|  | Nr. articol: 2002-406/020-000 Delta jumper; insulated; 1-2 3-4 5-6; IN = IN terminal block; light gray | www.wago.com/2002-406/020-000 |
|  | Nr. articol: 2002-407 Push-in type jumper bar; insulated; 7-way; Nominal current 25 A; light gray | www.wago.com/2002-407 |
|  | Nr. articol: 2002-407/000-005 Push-in type jumper bar; insulated; 7-way; Nominal current 25 A; red | www.wago.com/2002-407/000-005 |
|  | Nr. articol: 2002-407/000-006 Push-in type jumper bar; insulated; 7-way; Nominal current 25 A; blue | www.wago.com/2002-407/000-006 |
|  | Nr. articol: 2002-408 Push-in type jumper bar; insulated; 8-way; Nominal current 25 A; light gray | www.wago.com/2002-408 |
|  | Nr. articol: 2002-408/000-005 Push-in type jumper bar; insulated; 8-way; Nominal current 25 A; red | www.wago.com/2002-408/000-005 |
|  | Nr. articol: 2002-408/000-006 Push-in type jumper bar; insulated; 8-way; Nominal current 25 A; blue | www.wago.com/2002-408/000-006 |
|  | Nr. articol: 2002-409 Push-in type jumper bar; insulated; 9-way; Nominal current 25 A; light gray | www.wago.com/2002-409 |












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|  | Nr. articol: 2002-409/000-005 Push-in type jumper bar; insulated; 9-way; Nominal current 25 A; red | www.wago.com/2002-409/000-005 |
|  | Nr. articol: 2002-409/000-006 Push-in type jumper bar; insulated; 9-way; Nominal current 25 A; blue | www.wago.com/2002-409/000-006 |
|  | Nr. articol: 2002-410 Push-in type jumper bar; insulated; 10-way; Nominal current 25 A; light gray | www.wago.com/2002-410 |
|  | Nr. articol: 2002-410/000-005 Push-in type jumper bar; insulated; 10-way; Nominal current 25 A; red | www.wago.com/2002-410/000-005 |
|  | Nr. articol: 2002-410/000-006 Push-in type jumper bar; insulated; 10-way; Nominal current 25 A; blue | www.wago.com/2002-410/000-006 |
|  | Nr. articol: 2002-423 Adjacent jumper for continuous commoning; insulated; from 1 to 3; Nominal current 25 A; light gray | www.wago.com/2002-423 |
|  | Nr. articol: 2002-423/000-005 Adjacent jumper for continuous commoning; insulated; from 1 to 3; Nominal current 25 A; red | www.wago.com/2002-423/000-005 |
|  | Nr. articol: 2002-423/000-006 Adjacent jumper for continuous commoning; insulated; from 1 to 3; Nominal current 25 A; blue | www.wago.com/2002-423/000-006 |
|  | Nr. articol: 2002-433 Push-in type jumper bar; insulated; from 1 to 3; Nominal current 25 A; light gray | www.wago.com/2002-433 |
|  | Nr. articol: 2002-434 Push-in type jumper bar; insulated; from 1 to 4; Nominal current 25 A; light gray | www.wago.com/2002-434 |
|  | Nr. articol: 2002-435 Push-in type jumper bar; insulated; from 1 to 5; Nominal current 25 A; light gray | www.wago.com/2002-435 |
|  | Nr. articol: 2002-436 Push-in type jumper bar; insulated; from 1 to 6; Nominal current 25 A; light gray | www.wago.com/2002-436 |
|  | Nr. articol: 2002-437 Push-in type jumper bar; insulated; from 1 to 7; Nominal current 25 A; light gray | www.wago.com/2002-437 |
|  | Nr. articol: 2002-438 Push-in type jumper bar; insulated; from 1 to 8; Nominal current 25 A; light gray | www.wago.com/2002-438 |
|  | Nr. articol: 2002-439 Push-in type jumper bar; insulated; from 1 to 9; Nominal current 25 A; light gray | www.wago.com/2002-439 |
|  | Nr. articol: 2002-440 Push-in type jumper bar; insulated; from 1 to 10; Nominal current 25 A; light gray | www.wago.com/2002-440 |

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|--|--|--|
|  | Nr. articol: 2002-472 Staggered jumper; insulated; 2-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks; light gray | www.wago.com/2002-472 |
|  | Nr. articol: 2002-473 Staggered jumper; insulated; 3-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks; light gray | www.wago.com/2002-473 |
| | Nr. articol: 2002-473/011-000 Ready-made staggered jumper; insulated; 2-way (1-3); Nominal current 25 A; with contact lugs broken off at the factory and circuit marking; light gray | www.wago.com/2002-473/011-000 |
|  | Nr. articol: 2002-474 Staggered jumper; insulated; 4-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks; light gray | www.wago.com/2002-474 |
|  | Nr. articol: 2002-475 Staggered jumper; insulated; 5-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks; light gray | www.wago.com/2002-475 |
| | Nr. articol: 2002-475/011-000 Ready-made staggered jumper; insulated; 3-way (1-3-5); Nominal current 25 A; with contact lugs broken off at the factory and circuit marking; light gray | www.wago.com/2002-475/011-000 |
|  | Nr. articol: 2002-476 Staggered jumper; insulated; 6-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks; light gray | www.wago.com/2002-476 |
|  | Nr. articol: 2002-477 Staggered jumper; insulated; 7-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks; light gray | www.wago.com/2002-477 |
|  | Nr. articol: 2002-477/011-000 Ready-made staggered jumper; insulated; 1-3-5-7; Nominal current 25 A; with contact lugs broken off at the factory and circuit marking; light gray | www.wago.com/2002-477/011-000 |
|  | Nr. articol: 2002-478 Staggered jumper; insulated; 8-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks; light gray | www.wago.com/2002-478 |
|  | Nr. articol: 2002-479 Staggered jumper; insulated; 9-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks; light gray | www.wago.com/2002-479 |
| | Nr. articol: 2002-479/011-000 Ready-made staggered jumper; insulated; 1-3-5-7-9; Nominal current 25 A; with contact lugs broken off at the factory and circuit marking; light gray | www.wago.com/2002-479/011-000 |
|  | Nr. articol: 2002-480 Staggered jumper; insulated; 10-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks; light gray | www.wago.com/2002-480 |
|  | Nr. articol: 2002-481 Staggered jumper; insulated; 11-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks; light gray | www.wago.com/2002-481 |
| | Nr. articol: 2002-481/011-000 Ready-made staggered jumper; insulated; 1-3-5-7-9-11; Nominal current 25 A; with contact lugs broken off at the factory and circuit marking; light gray | www.wago.com/2002-481/011-000 |

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|  | Nr. articol: 2002-482 Staggered jumper; insulated; 12-way; Nominal current 25 A; suitable for 2002 and 2003 Series rail-mounted terminal blocks; light gray | www.wago.com/2002-482 |
|  | Nr. articol: 2006-499 Step-down jumper; insulated; from 6/4 mm ² to 4/2.5/1.5 mm ² ; Nominal current 32 A; light gray | www.wago.com/2006-499 |
|  | Nr. articol: 2016-499 Step-down jumper; insulated; from 16/10 mm ² to 10/6/4/2.5 mm ² ; Nominal current 57 A; light gray | www.wago.com/2016-499 |
|  | 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 |
| check | | |
|  | Nr. articol: 2002-511 Modular TOPJOB®S connector; modular; for jumper contact slot; 1-pole; 2,50 mm ² ; gray | www.wago.com/2002-511 |
|  | Nr. articol: 2002-549 Spacer module; modular; e.g., for bridging commoned terminal blocks; gray | www.wago.com/2002-549 |
|  | Nr. articol: 2002-552 Modular TOPJOB®S connector; modular; for jumper contact slot; 2-pole; 2,50 mm ² ; gray | www.wago.com/2002-552 |
|  | Nr. articol: 2002-553 Modular TOPJOB®S connector; modular; for jumper contact slot; 3-pole; 2,50 mm ² ; gray | www.wago.com/2002-553 |
|  | Nr. articol: 2002-554 Modular TOPJOB®S connector; modular; for jumper contact slot; 4-pole; 2,50 mm ² ; gray | www.wago.com/2002-554 |
|  | Nr. articol: 2002-555 Modular TOPJOB®S connector; modular; for jumper contact slot; 5-pole; 2,50 mm ² ; gray | www.wago.com/2002-555 |
|  | Nr. articol: 2002-556 Modular TOPJOB®S connector; modular; for jumper contact slot; 6-pole; 2,50 mm ² ; gray | www.wago.com/2002-556 |
|  | Nr. articol: 2002-557 Modular TOPJOB®S connector; modular; for jumper contact slot; 7-pole; 2,50 mm ² ; gray | www.wago.com/2002-557 |
|  | Nr. articol: 2002-558 Modular TOPJOB®S connector; modular; for jumper contact slot; 8-pole; 2,50 mm ² ; gray | www.wago.com/2002-558 |
|  | Nr. articol: 2002-559 Modular TOPJOB®S connector; modular; for jumper contact slot; 9-pole; 2,50 mm ² ; gray | www.wago.com/2002-559 |
|  | Nr. articol: 2002-560 Modular TOPJOB®S connector; modular; for jumper contact slot; 10-pole; 2,50 mm ² ; gray | www.wago.com/2002-560 |
|  | Nr. articol: 2002-611 TOPJOB®S L-type test plug module; modular; 1-pole; 2,50 mm ² ; gray | www.wago.com/2002-611 |

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|  | Nr. articol: 2002-649 TOPJOB®S L-type spacer module; modular; e.g., for bridging commoned terminal blocks; gray | www.wago.com/2002-649 |
|  | Nr. articol: 2009-174 Test plug adapter; for 4 mm Ø test plugs; for testing TOPJOB®S rail-mounted terminal blocks; gray | www.wago.com/2009-174 |
|  | Nr. articol: 2009-182 Testing tap; for max. 2.5 mm ² ; tool-free connection for individual test wires 0.08 - 2.5 mm; gray | www.wago.com/2009-182 |
| plug | | |
|  | Nr. articol: 2002-880 Empty component plug housing; 10.4 mm wide; 2-pole; Type 4; gray | www.wago.com/2002-880 |
|  | Nr. articol: 2002-880/1000-411 Component plug; 2-pole; with diode 1N4007; 10.4 mm wide; Operating temperature 85°C max.; gray | www.wago.com/2002-880/1000-411 |
|  | Nr. articol: 2002-880/1000-541 Component plug; 2-pole; LED (red); 10.4 mm wide; Operating temperature 85°C max.; gray | www.wago.com/2002-880/1000-541 |
|  | Nr. articol: 2002-880/1000-542 LED module; with red LED; 10.4 mm wide; 30 - 65 V; Operating temperature 85°C max. | www.wago.com/2002-880/1000-542 |
|  | Nr. articol: 2002-880/1000-836 Component plug; 2-pole; LED (red); 10.4 mm wide; Operating temperature 85°C max.; gray | www.wago.com/2002-880/1000-836 |
| Push-In type wire jumper | | |
|  | Nr. articol: 2009-412 Push-in type wire jumper; insulated; wire length 60 mm; Conductor cross section 1.5 mm ² ; suitable for 2001, 2002, 2003 and 2022 Series rail-mounted terminal blocks; black | www.wago.com/2009-412 |
|  | Nr. articol: 2009-414 Push-in type wire jumper; insulated; wire length 110 mm; Conductor cross section 1.5 mm ² ; suitable for 2001, 2002, 2003 and 2022 Series rail-mounted terminal blocks; black | www.wago.com/2009-414 |
|  | Nr. articol: 2009-416 Push-in type wire jumper; insulated; wire length 250 mm; Conductor cross section 1.5 mm ² ; suitable for 2001, 2002, 2003 and 2022 Series rail-mounted terminal blocks; black | www.wago.com/2009-416 |
| tools | | |
|  | 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 |

Descărcări Documentation

Additional Information

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Technical explanations

Apr 3, 2019

pdf
2,1 MB

Descărcare

CAD/CAE-Data

CAD data

2D/3D Models 2002-1302

URL

Descărcare

CAE data

EPLAN Data Portal 2002-1302

URL

Descărcare

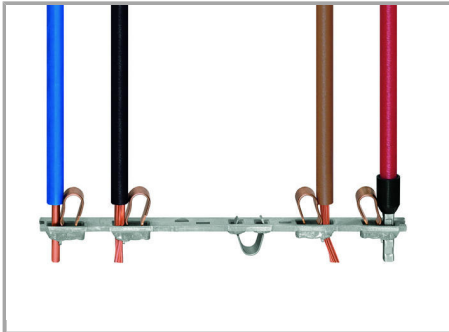
WSCAD Universe 2002-1302

URL

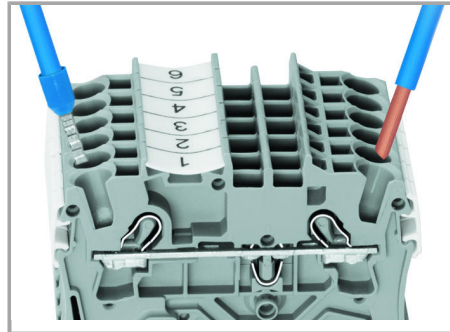
Descărcare

Installation Notes

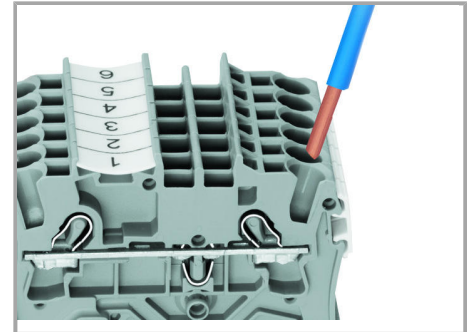
Conductor termination



All conductor types at a glance



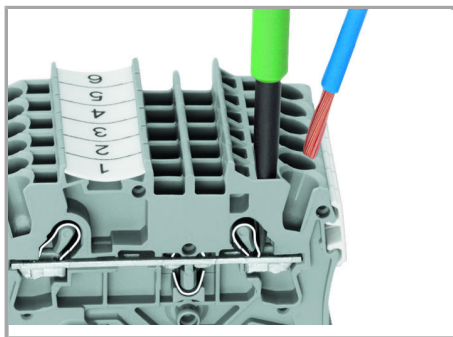
Terminating solid and ferruled conductors via push-in connection.



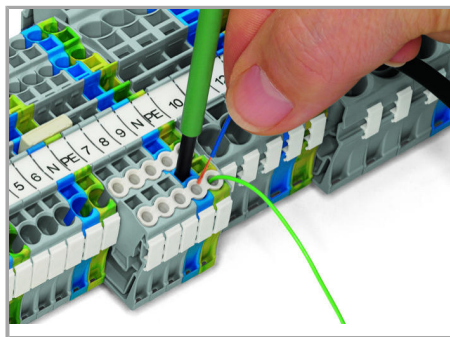
Inserting conductors via push-in termination.

Solid conductors with cross-sections from either one size above, or up to two sizes below, the rated cross-section can be simply pushed in – no tools needed.

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Inserting a conductor via operating tool.



Conductor termination – Insulation stop.

Connecting fine-stranded conductors without ferrules, or small cross-sectional conductors that cannot be pushed in, is performed similarly to the original CAGE CLAMP® – just use an operating tool.

The smart feature:

To open the clamp, the operating tool is inserted vertically. The conductor entry is less than 15 degrees for easier wiring.

Commoning

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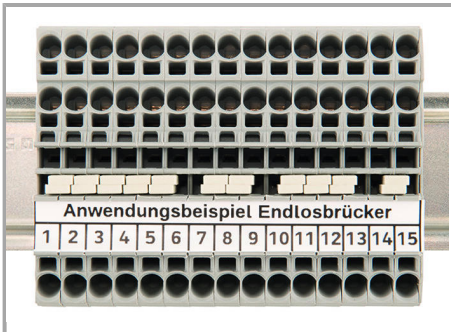
The push-in type jumper bar system is based on the common plug and socket principle. Each terminal block is spring-loaded with a double socket and a resilient CrNi steel spring. The jumper contact material is pure electrolytic copper, which allows for an extremely small design capable of carrying the full-rated current of the terminal block. Ground terminal blocks can also be commoned using the same jumper system. Custom jumpers are created by breaking and removing jumper contacts (2000, 2001, 2002, 2004 Series).

Removing a push-in type jumper bar.

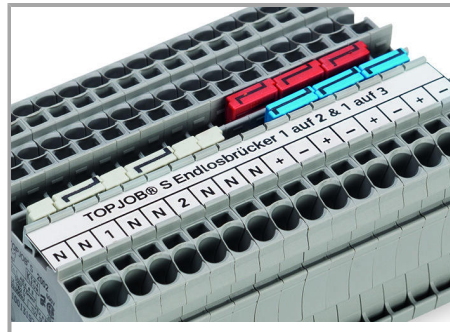
Insert the operating tool between the jumper and the partition wall of the dual jumper slots, then lift up the jumper.

Place the operating tool in the center of jumpers up to five contacts (see above), or alternately on both sides for jumpers with more than five contacts.

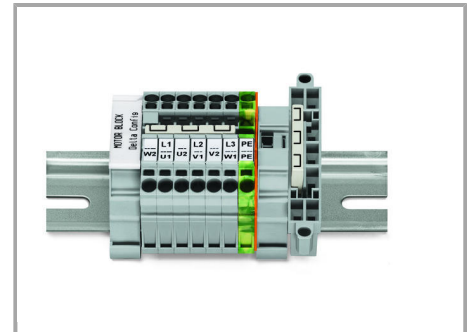
Commoning



Continuous jumpers (2002 Series) readily connect an endless number of terminal blocks to each other via a single jumper slot. Use the second jumper slot for additional commoning or testing.

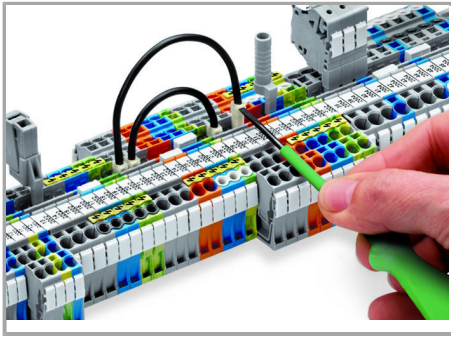


The 1-to-3 adjacent jumper for continuous commoning enables every other terminal block to be commoned. For example, positive and negative potentials can be accommodated alongside each other.



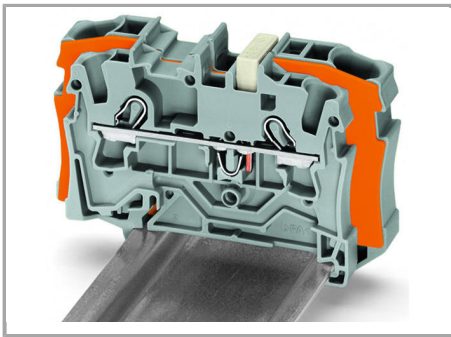
This delta jumper has been specially developed to create a delta configuration and is used on motor terminal boards equipped with TOPJOB® S rail-mount terminal blocks.

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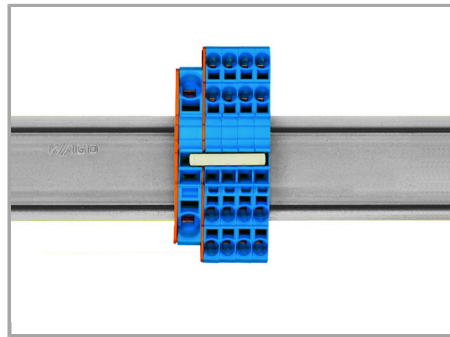


Push down the wire jumper until fully inserted. Lift the jumper with an operating tool for rewiring.

Commoning



Step-down jumper (2006-499) commons 6 /4 mm² (10/12 AWG) terminal blocks (2006 /2004 Series) with 4/2.5/1.5 mm² (12/14/16 AWG) terminal blocks (2004/2002/2001 Series).

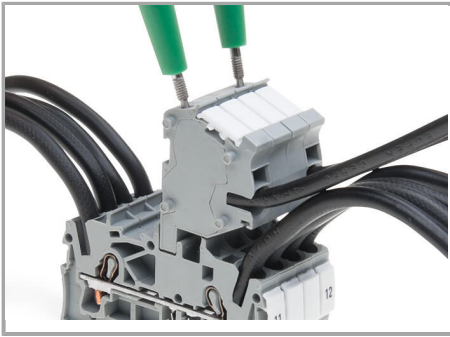


Stepping down via push-in type jumper bar.

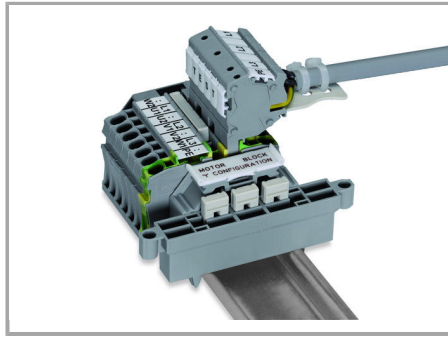
Commoning via closed terminal side with end plate allows jumpering over two cross-section sizes, e.g., from 16 mm² (6 AWG) to 6 mm² (10 AWG) or from 6 mm² (10 AWG) to 2.5 mm² (14 AWG) (see illustration above).

Testing

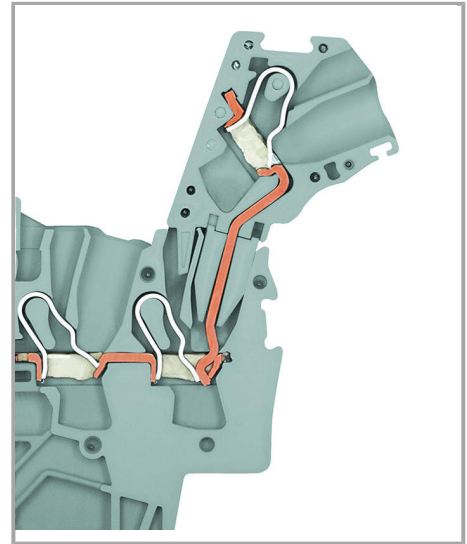
Supus modificărilor.



TOPJOB® S Connectors with a 2 mm Ø test socket for testing voltage via 2-pole voltage tester

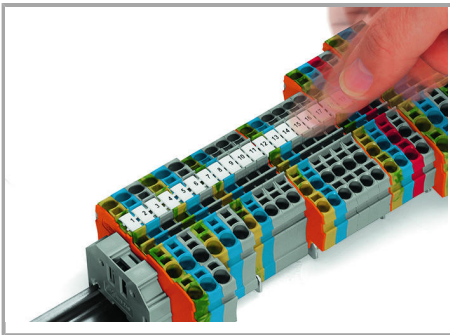


Rail-mount terminal block assembly for electric motor wiring

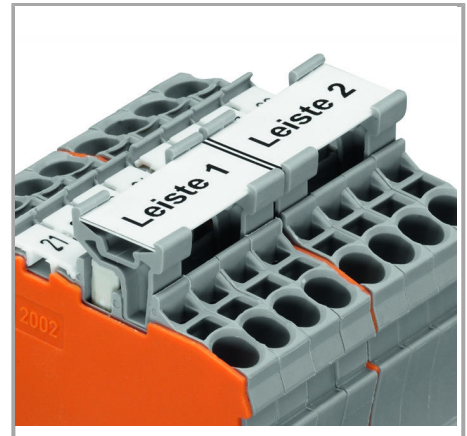
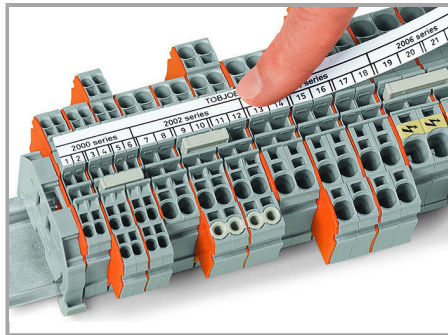


L-type test plug module – cross-sectional view of contacts

Marking



Snapping WMB Inline markers into marker slots.



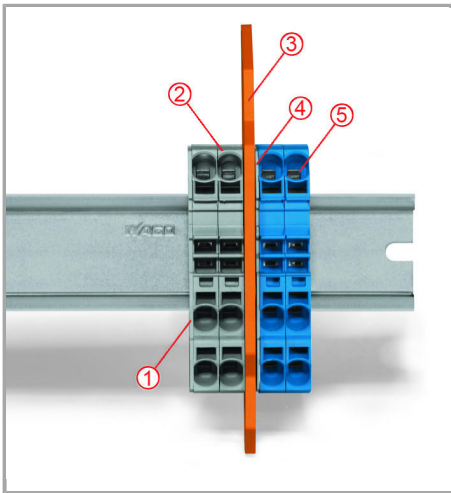
Using marker carriers for marking strips (2002-161) in jumper slots.

Ex Application

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Separator located between Ex e II and Ex i terminal strip

End plate

Ex e II terminal blocks

Separator for Ex e/Ex i applications

End plate

Ex i terminal blocks

According to EN 50020, a minimum distance of 50 mm must be kept between live parts of Ex e and Ex i circuits. The use of Ex e/Ex i separators is a space-saving solution when Ex e and Ex i terminal blocks are mounted on a common carrier rail.

Familie de produse

TOPJOB® S

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