

Data sheet | Item number: 2002-1902

2-conductor through terminal block; 2.5 mm²; with test option; with additional jumper position; same profile as 2-conductor disconnect terminal block; 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/2002-1902



Data

Electrical data

Subject to changes. Please also observe the further product documentation!

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Ratings per IEC/EN

| | |
|-------------------------------|---|
| Ratings per | IEC/EN 60947-7-1 |
| Nominal voltage (III/3) | 400 V |
| Rated impulse voltage (III/3) | 6 kV |
| Rated current | 16 A |
| Legend (ratings) | (III / 3) ≙ Overvoltage category III / Pollution degree 3 |

Ratings per UL

| | |
|--------------------------------|---------|
| Approvals per | UL 1059 |
| Rated voltage UL (Use Group B) | 300 V |
| Rated current UL (Use Group B) | 15 A |
| Rated voltage UL (Use Group C) | 300 V |
| Rated current UL (Use Group C) | 15 A |

Ratings per CSA

| | |
|---------------------------------|-----------------|
| Approvals per | CSA 22.2 No 158 |
| Rated voltage CSA (Use Group B) | 300 V |
| Rated current CSA (Use Group B) | 15 A |
| Rated voltage CSA (Use Group C) | 300 V |
| Rated current CSA (Use Group C) | 15 A |

Ex information

| | |
|----------------------------|---|
| Reference hazardous areas | See application instructions in section "Knowledge and Downloads – Documentation – Additional Information: Technical Section; Technical Explications" |
| Ratings per | ATEX: KIWA 17 ATEX 0030 U / IECEx: KIWA 17.0014U (Ex ec IIC Gc) |
| Rated voltage EN (Ex e II) | 440 V |
| Rated current (Ex e II) | 17 A |

Power Loss

| | |
|--|----------------|
| Power loss, per pole (potential) | 0.341 W |
| Rated current I_N for specified power loss | 16 A |
| Resistance value for specified, current-dependent power loss | 0.001 Ω |

Connection data

| | |
|-------------------|---|
| Connection points | 2 |
|-------------------|---|

Subject to changes. Please also observe the further product documentation!



| | |
|----------------------------|---|
| Total number of potentials | 1 |
| Number of levels | 1 |
| Number of jumper slots | 3 |

Connection 1

| | |
|--|---|
| Connection technology | Push-in CAGE CLAMP® |
| Actuation type | Operating tool |
| 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 | 0.25 ... 2.5 mm ² / 22 ... 14 AWG |
| Fine-stranded conductor; with ferrule; push-in termination | 1 ... 2.5 mm ² / 18 ... 14 AWG |
| Note (conductor cross-section) | Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination. |
| Strip length | 10 ... 12 mm / 0.39 ... 0.47 inches |
| Wiring direction | Front-entry wiring |

Physical data

| | |
|-----------------------------------|------------------------|
| Width | 5.2 mm / 0.205 inches |
| Height | 72.9 mm / 2.87 inches |
| Depth from upper-edge of DIN-rail | 32.9 mm / 1.295 inches |

Mechanical Data

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

Material Data

| | |
|-----------------------------|--|
| Note (material data) | Information on material specifications can be found here |
| Color | orange |
| Material group | I |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Fire load | 0.176 MJ |

Subject to changes. Please also observe the further product documentation!



| | |
|--------|-------|
| Weight | 8.4 g |
|--------|-------|

Environmental requirements

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

Commercial data

| | |
|-----------------------|---------------|
| Product Group | 22 (TOPJOB S) |
| eCl@ss 10.0 | 27-14-11-20 |
| eCl@ss 9.0 | 27-14-11-20 |
| ETIM 8.0 | EC000897 |
| ETIM 7.0 | EC000897 |
| PU (SPU) | 50 pcs |
| Packaging type | box |
| Country of origin | DE |
| GTIN | 4055143877244 |
| Customs tariff number | 85369010000 |

Environmental Product Compliance

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

Approvals / Certificates**General approvals**

| Logo | Approval | Additional Approval Text | Certificate name |
|------|--|--------------------------|------------------|
| | CCA DEKRA Certification B.V. | C22.2 No. 158 | 1536069 |
| | CCA DEKRA Certification B.V. | EN 60947 | NTR NL 7941 |
| | KEMA/KEUR DEKRA Certification B.V. | EN 60947 | 71- 124163 |
| | UL Underwriters Laboratories Inc. | UL 1059 | E45172 |

Declarations of conformity and manufacturer's declarations

| Logo | Approval | Additional Approval Text | Certificate name |
|------|---|--------------------------|------------------|
| | ATEX-Attestation of Conformity WAGO GmbH & Co. KG | - | - |

Subject to changes. Please also observe the further product documentation!

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| | | |
|---|---|---------------|
| EU-Declaration of Conformity WAGO GmbH & Co. KG | - | - |
| Railway WAGO GmbH & Co. KG | - | Railway Ready |
| UK-Declaration of Conformity WAGO GmbH & Co. KG | - | - |

Approvals for marine applications

| Logo | Approval | Additional Approval Text | Certificate name |
|------|---|--------------------------|------------------|
| | ABS American Bureau of Shipping | EN 60947 | 20-HG1941090-PDA |
| | DNV GL Det Norske Veritas, Germanischer Lloyd | - | TAE00001V2 |

Approvals for hazardous areas

| Logo | Approval | Additional Approval Text | Certificate name |
|------|--|--------------------------|--------------------------------------|
| | AEx Underwriters Laboratories Inc. | UL 60079 | E185892 (AEx eb IIC resp. Ex eb IIC) |
| | ATEX KIWA Netherlands B.V. | EN 60079 | KIWA 17ATEX0030 U |
| | CCC CNEX | GB/T 3836.3 | 2020312313000180 (Ex ec IIC Gc) |
| | IECEX KIWA Netherlands B.V. | EN 60079 | IECEX KIWA 17.0014 U (Ex ec IIC Gc) |

Required accessories

End plate

| End plate | |
|--|--|
| Item no.: 2002-1991 End and intermediate plate; 1 mm thick; gray | www.wago.com/2002-1991 |
| Item no.: 2002-1992 End and intermediate plate; 1 mm thick; orange | www.wago.com/2002-1992 |

Optional accessories

Insulation stop

| Insulation stop | |
|---|--|
| Item no.: 2002-171 Insulation stop; 0.25 - 0.5 mm ² ; 5 pieces/strip; light gray | www.wago.com/2002-171 |

Subject to changes. Please also observe the further product documentation!

**Item no.: 2002-172**Insulation stop; 0.75 - 1 mm²; 5 pieces/strip; dark graywww.wago.com/2002-172**Marking accessories**

Marking strip

Item no.: 2009-110

Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

www.wago.com/2009-110

Marker carrier

Item no.: 2009-198

Adaptor; gray

www.wago.com/2009-198**Item no.: 2002-121**

Adaptor; gray

www.wago.com/2002-121**Item no.: 2002-161**

Adaptor; gray

www.wago.com/2002-161

Marker

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

www.wago.com/2009-115/000-002**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

www.wago.com/2009-115/000-007**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

www.wago.com/2009-115/000-017**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

www.wago.com/2009-115/000-023**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

www.wago.com/2009-115/000-024**Item no.: 2009-145/000-006**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue

www.wago.com/2009-145/000-006**Item no.: 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**Item no.: 2009-145/000-002**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow

www.wago.com/2009-145/000-002**Item no.: 2009-145/000-007**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray

www.wago.com/2009-145/000-007

Subject to changes. Please also observe the further product documentation!

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| | |
|---|--|
| Item no.: 2009-145/000-005 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red | www.wago.com/2009-145/000-005 |
| Item no.: 2009-145/000-012 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange | www.wago.com/2009-145/000-012 |
| Item no.: 2009-145/000-023 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green | www.wago.com/2009-145/000-023 |
| Item no.: 2009-145/000-024 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet | www.wago.com/2009-145/000-024 |
| Item no.: 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 |
| Item no.: 248-501/000-006 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue | www.wago.com/248-501/000-006 |
| Item no.: 248-501/000-007 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray | www.wago.com/248-501/000-007 |
| Item no.: 248-501/000-002 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow | www.wago.com/248-501/000-002 |
| Item no.: 248-501/000-012 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange | www.wago.com/248-501/000-012 |
| Item no.: 248-501 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white | www.wago.com/248-501 |
| Item no.: 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 |
| Item no.: 248-501/000-005 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red | www.wago.com/248-501/000-005 |
| Item no.: 248-501/000-024 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet | www.wago.com/248-501/000-024 |
| Item no.: 248-501/000-023 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green | www.wago.com/248-501/000-023 |

Subject to changes. Please also observe the further product documentation!



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|--|--|
| 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 | www.wago.com/793-5501/000-007 |
| 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 | www.wago.com/793-5501/000-012 |
| Item no.: 793-5501/000-014 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; brown | www.wago.com/793-5501/000-014 |
| 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 | www.wago.com/793-5501/000-017 |
| 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 | www.wago.com/793-5501/000-023 |
| 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 | www.wago.com/793-5501/000-024 |
| 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 | www.wago.com/793-5501/000-005 |
| 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 | www.wago.com/793-5501/000-002 |
| 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 | www.wago.com/793-5501/000-006 |
| 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 | www.wago.com/793-5501 |
| 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 | www.wago.com/2009-115/000-012 |
| 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 | www.wago.com/2009-115/000-006 |
| Item no.: 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 |
| Group marker carrier | |

Subject to changes. Please also observe the further product documentation!



| | |
|---|--|
| Item no.: 2009-193 Group marker carrier; gray | www.wago.com/2009-193 |
|---|--|

| | |
|---|--|
| Item no.: 2009-192 Group marker carrier; gray | www.wago.com/2009-192 |
|---|--|

| | |
|---|--|
| Item no.: 2009-191 Group marker carrier; gray | www.wago.com/2009-191 |
|---|--|

Mounting

Cover carrier

| | |
|--|--|
| Item no.: 709-169 Cover carrier; Type 3; incl. fixing/retaining screws and knurled nut; suitable for 279 to 282 and 880 Series rail-mounted terminal blocks; suitable for 264 Series miniature rail-mounted terminal blocks; suitable for 270 Series sensor and actuator terminal blocks; gray | www.wago.com/709-169 |
|--|--|

Cover

| | |
|--|--|
| Item no.: 709-156 Cover; Type 3; suitable for cover carrier, type 3; 1 m long; transparent | www.wago.com/709-156 |
|--|--|

Push-in type wire jumper

Jumper

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|---|--|
| Item no.: 2009-412 Push-in type wire jumper; insulated; 60 mm long; black | www.wago.com/2009-412 |
|---|--|

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|--|--|
| Item no.: 2009-414 Push-in type wire jumper; 1.5 mm ² ; insulated; 110 mm long; black | www.wago.com/2009-414 |
|--|--|

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|--|--|
| Item no.: 2009-416 Push-in type wire jumper; 1.5 mm ² ; insulated; 250 mm long; black | www.wago.com/2009-416 |
|--|--|

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|--|--|
| Item no.: 2009-414/000-005 Push-in type wire jumper; 1.5 mm ² ; insulated; 110 mm long; black | www.wago.com/2009-414/000-005 |
|--|--|

| | |
|--|--|
| Item no.: 2009-414/000-006 Push-in type wire jumper; insulated; 110 mm long; black | www.wago.com/2009-414/000-006 |
|--|--|

Protective warning marker

Cover

| | |
|--|--|
| Item no.: 2002-115 Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow | www.wago.com/2002-115 |
|--|--|

Testing and measuring

Testing accessories

| | |
|--|--|
| Item no.: 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 |
|--|--|

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|---|--|
| Item no.: 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 |
|---|--|

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|---------------------------|--|
| Item no.: 2002-511 | |
|---------------------------|--|

Subject to changes. Please also observe the further product documentation!



| | |
|--|--|
| Modular TOPJOB®S connector; modular; for jumper contact slot; 1-pole; 2,50 mm ² ; gray | www.wago.com/2002-511 |
| Item no.: 2002-549 Spacer module; modular; e.g., for bridging commoned terminal blocks; gray | www.wago.com/2002-549 |
| Item no.: 2002-552 Modular TOPJOB®S connector; modular; for jumper contact slot; 2-pole; 2,50 mm ² ; gray | www.wago.com/2002-552 |
| Item no.: 2002-558 Modular TOPJOB®S connector; modular; for jumper contact slot; 8-pole; 2,50 mm ² ; gray | www.wago.com/2002-558 |
| Item no.: 2002-559 Modular TOPJOB®S connector; modular; for jumper contact slot; 9-pole; 2,50 mm ² ; gray | www.wago.com/2002-559 |
| Item no.: 2002-556 Modular TOPJOB®S connector; modular; for jumper contact slot; 6-pole; 2,50 mm ² ; gray | www.wago.com/2002-556 |
| Item no.: 2002-553 Modular TOPJOB®S connector; modular; for jumper contact slot; 3-pole; 2,50 mm ² ; gray | www.wago.com/2002-553 |
| Item no.: 2002-611 TOPJOB®S L-type test plug module; modular; 1-pole; 2,50 mm ² ; gray | www.wago.com/2002-611 |
| Item no.: 2002-560 Modular TOPJOB®S connector; modular; for jumper contact slot; 10-pole; 2,50 mm ² ; gray | www.wago.com/2002-560 |
| Item no.: 2002-554 Modular TOPJOB®S connector; modular; for jumper contact slot; 4-pole; 2,50 mm ² ; gray | www.wago.com/2002-554 |
| Item no.: 2002-555 Modular TOPJOB®S connector; modular; for jumper contact slot; 5-pole; 2,50 mm ² ; gray | www.wago.com/2002-555 |
| Item no.: 2002-557 Modular TOPJOB®S connector; modular; for jumper contact slot; 7-pole; 2,50 mm ² ; gray | www.wago.com/2002-557 |
| Item no.: 2002-649 TOPJOB®S L-type spacer module; modular; e.g., for bridging commoned terminal blocks; gray | www.wago.com/2002-649 |
| Item no.: 210-136 Test plug; 2 mm Ø; with 500 mm cable; red | www.wago.com/210-136 |
| Tool | |
| Operating tool | |
| Item no.: 210-658 Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; angled; short; multicoloured | www.wago.com/210-658 |
| Item no.: 210-720 Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured | www.wago.com/210-720 |
| Carrier rail | |
| Mounting accessories | |
| 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 | www.wago.com/210-197 |

Subject to changes. Please also observe the further product documentation!



| | |
|--|--|
| 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 | www.wago.com/210-198 |
| 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 | www.wago.com/210-504 |
| 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 | www.wago.com/210-505 |
| 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 | www.wago.com/210-506 |
| 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 | www.wago.com/210-508 |
| 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 | www.wago.com/210-113 |
| 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 | www.wago.com/210-118 |
| 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 | www.wago.com/210-112 |
| 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 | www.wago.com/210-114 |
| 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 | www.wago.com/210-115 |
| 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 | www.wago.com/210-196 |
| Ferrule | |
| Ferrule | |
| Item no.: 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 |
| Item no.: 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 |
| Item no.: 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 |
| Item no.: 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 |
| Item no.: 216-263 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; | www.wago.com/216-263 |

Subject to changes. Please also observe the further product documentation!



acc. to DIN 46228, Part 4/09.90; red

Item no.: 216-246Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; bluewww.wago.com/216-246**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; bluewww.wago.com/216-266**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; blackwww.wago.com/216-264**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; graywww.wago.com/216-262**Plugs**

Component module with LED

Item no.: 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**Item no.: 2002-880/1000-542**

Component plug; 2-pole; LED (red); 10.4 mm wide; Operating temperature 85°C max.; multicoloured

www.wago.com/2002-880/1000-542**Item no.: 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

Component module with diode

Item no.: 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

Empty component plug housing

Item no.: 2002-880

Empty component plug housing; 10.4 mm wide; 2-pole; Type 4; gray

www.wago.com/2002-880**Jumpers**

Jumper

Item no.: 210-123

Wire commoning chain; insulated; blue

www.wago.com/210-123**Item no.: 2002-402**

Jumper; 2-way; insulated; light gray

www.wago.com/2002-402**Item no.: 2002-402/000-005**

Jumper; 2-way; insulated; red

www.wago.com/2002-402/000-005**Item no.: 2002-400**

Continuous jumper; 2-way; insulated; light gray

www.wago.com/2002-400

Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG

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Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.



| | |
|--|--|
| Item no.: 2002-403 Jumper; 3-way; insulated; light gray | www.wago.com/2002-403 |
| Item no.: 2002-404/000-005 Jumper; 4-way; insulated; red | www.wago.com/2002-404/000-005 |
| Item no.: 2002-403/000-006 Jumper; 3-way; insulated; blue | www.wago.com/2002-403/000-006 |
| Item no.: 2002-404/000-006 Jumper; 4-way; insulated; blue | www.wago.com/2002-404/000-006 |
| Item no.: 2002-403/000-005 Jumper; 3-way; insulated; red | www.wago.com/2002-403/000-005 |
| Item no.: 2002-405/000-005 Jumper; 5-way; insulated; red | www.wago.com/2002-405/000-005 |
| Item no.: 2002-402/000-006 Jumper; 2-way; insulated; blue | www.wago.com/2002-402/000-006 |
| Item no.: 2002-405/000-006 Jumper; 5-way; insulated; blue | www.wago.com/2002-405/000-006 |
| Item no.: 2002-404 Jumper; 4-way; insulated; light gray | www.wago.com/2002-404 |
| Item no.: 2002-406/000-006 Jumper; 6-way; insulated; blue | www.wago.com/2002-406/000-006 |
| Item no.: 2002-406/000-005 Jumper; 6-way; insulated; red | www.wago.com/2002-406/000-005 |
| Item no.: 2002-406/020-000 Delta jumper; insulated; light gray | www.wago.com/2002-406/020-000 |
| Item no.: 2002-405 Jumper; 5-way; insulated; light gray | www.wago.com/2002-405 |
| Item no.: 2002-407/000-005 Jumper; 7-way; insulated; red | www.wago.com/2002-407/000-005 |

Subject to changes. Please also observe the further product documentation!



| | |
|--|--|
| Item no.: 2002-408 Jumper; 8-way; insulated; light gray | www.wago.com/2002-408 |
| Item no.: 2002-408/000-006 Jumper; 8-way; insulated; blue | www.wago.com/2002-408/000-006 |
| Item no.: 2002-405/011-000 Star point jumper; 3-way; insulated; light gray | www.wago.com/2002-405/011-000 |
| Item no.: 2002-407/000-006 Jumper; 7-way; insulated; blue | www.wago.com/2002-407/000-006 |
| Item no.: 2002-408/000-005 Jumper; 8-way; insulated; red | www.wago.com/2002-408/000-005 |
| Item no.: 2002-407 Jumper; 7-way; insulated; light gray | www.wago.com/2002-407 |
| Item no.: 2002-406 Jumper; 6-way; insulated; light gray | www.wago.com/2002-406 |
| Item no.: 2002-410/000-005 Jumper; 10-way; insulated; red | www.wago.com/2002-410/000-005 |
| Item no.: 2002-410/000-006 Jumper; 10-way; insulated; blue | www.wago.com/2002-410/000-006 |
| Item no.: 2002-410 Jumper; 10-way; insulated; light gray | www.wago.com/2002-410 |
| Item no.: 2002-409/000-006 Jumper; 9-way; insulated; blue | www.wago.com/2002-409/000-006 |
| Item no.: 2002-409/000-005 Jumper; 9-way; insulated; red | www.wago.com/2002-409/000-005 |
| Item no.: 2002-409 Jumper; 9-way; insulated; light gray | www.wago.com/2002-409 |
| Item no.: 2002-423/000-006 Continuous jumper; from 1 to 3; insulated; blue | www.wago.com/2002-423/000-006 |
| Item no.: 2002-423 Continuous jumper; from 1 to 3; insulated; light gray | www.wago.com/2002-423 |

Subject to changes. Please also observe the further product documentation!



| | |
|--|--|
| Item no.: 2002-433 Jumper; from 1 to 3; insulated; light gray | www.wago.com/2002-433 |
| Item no.: 2002-434 Jumper; from 1 to 4; insulated; light gray | www.wago.com/2002-434 |
| Item no.: 2002-423/000-005 Continuous jumper; from 1 to 3; insulated; red | www.wago.com/2002-423/000-005 |
| Item no.: 2002-435 Jumper; from 1 to 5; insulated; light gray | www.wago.com/2002-435 |
| Item no.: 2002-436 Jumper; from 1 to 6; insulated; light gray | www.wago.com/2002-436 |
| Item no.: 2002-437 Jumper; from 1 to 7; insulated; light gray | www.wago.com/2002-437 |
| Item no.: 2002-438 Jumper; from 1 to 8; insulated; light gray | www.wago.com/2002-438 |
| Item no.: 2002-439 Jumper; from 1 to 9; insulated; light gray | www.wago.com/2002-439 |
| Item no.: 2002-440 Jumper; from 1 to 10; insulated; light gray | www.wago.com/2002-440 |
| Item no.: 2002-472 Staggered jumper; 2-way; insulated; light gray | www.wago.com/2002-472 |
| Item no.: 2002-473 Staggered jumper; 3-way; insulated; light gray | www.wago.com/2002-473 |
| Item no.: 2002-475/011-000 Staggered jumper; 3-way; insulated; light gray | www.wago.com/2002-475/011-000 |
| Item no.: 2002-475 Staggered jumper; 5-way; insulated; light gray | www.wago.com/2002-475 |
| Item no.: 2002-476 Staggered jumper; 6-way; insulated; light gray | www.wago.com/2002-476 |
| Item no.: 2002-474 Staggered jumper; 4-way; insulated; light gray | www.wago.com/2002-474 |
| Item no.: 2002-477 Staggered jumper; 7-way; insulated; light gray | www.wago.com/2002-477 |
| Item no.: 2002-473/011-000 Staggered jumper; 2-way; from 1 to 3; insulated; light gray | www.wago.com/2002-473/011-000 |

Subject to changes. Please also observe the further product documentation!



| | |
|---|--|
| Item no.: 2002-479 Staggered jumper; 9-way; insulated; light gray | www.wago.com/2002-479 |
| Item no.: 2002-478 Staggered jumper; 8-way; insulated; light gray | www.wago.com/2002-478 |
| Item no.: 2002-479/011-000 Staggered jumper; insulated; light gray | www.wago.com/2002-479/011-000 |
| Item no.: 2002-480 Staggered jumper; 10-way; insulated; light gray | www.wago.com/2002-480 |
| Item no.: 2002-477/011-000 Staggered jumper; insulated; light gray | www.wago.com/2002-477/011-000 |
| Item no.: 2002-481/011-000 Staggered jumper; insulated; light gray | www.wago.com/2002-481/011-000 |
| Item no.: 2002-481 Staggered jumper; 11-way; insulated; light gray | www.wago.com/2002-481 |
| Item no.: 2002-482 Staggered jumper; 12-way; insulated; light gray | www.wago.com/2002-482 |
| Item no.: 210-103 Wire commoning chain; insulated; black | www.wago.com/210-103 |
| Item no.: 2002-424/000-006 Continuous jumper; from 1 to 4; insulated; blue | www.wago.com/2002-424/000-006 |

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Additional Information

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CAD/CAE-Data

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Environmental Product Compliance

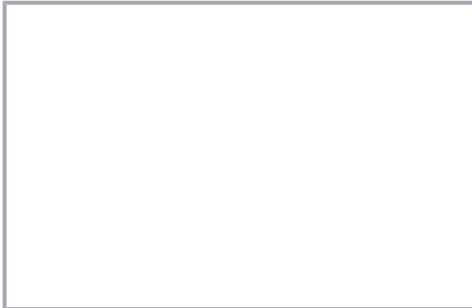
Compliance Search

| Environmental Product Compliance 2002-1902 | URL | Download |
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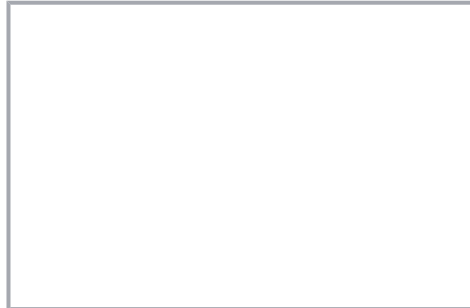
2-conductor through terminal block; 2.5 mm²; with test option; with additional jumper position; same profile as 2-conductor disconnect terminal block; side and center marking; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm²; orange

Installation Notes

Conductor termination



All conductor types at a glance



Push-in termination of solid and ferruled conductors

Subject to changes. Please also observe the further product documentation!



Inserting a conductor 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.



Inserting a conductor via operating tool:

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.

Advantage:

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



Conductor termination – insulation stop

Commoning

Subject to changes. Please also observe the further product documentation!



Insert push-in type jumper bar and push down until it hits backstop.



Removing a push-in type jumper bar:

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

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

Commoning



Orient the staggered jumpers' red stripes on the inside.

Insert the staggered jumper and push down until it hits the backstop.



Removing a staggered jumper:

Insert the operating tool between the staggered jumpers, then lift up the jumper.

Commoning

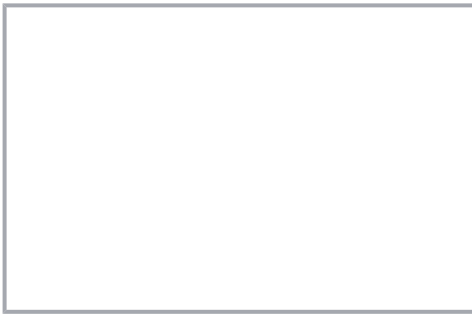
Subject to changes. Please also observe the further product documentation!



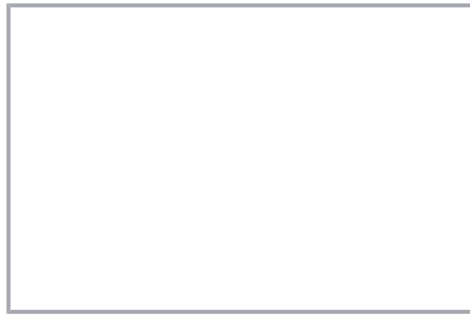
Continuous jumpers (2002 Series) readily connect an endless number of terminal blocks to each other via single jumper slot. Use the second jumper slot for additional commoning or testing.



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 star point jumper has been specially developed to create a "star point" and is used on motor terminal boards equipped with Rail-Mount Terminal Blocks TOPJOB® S.



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

Subject to changes. Please also observe the further product documentation!



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

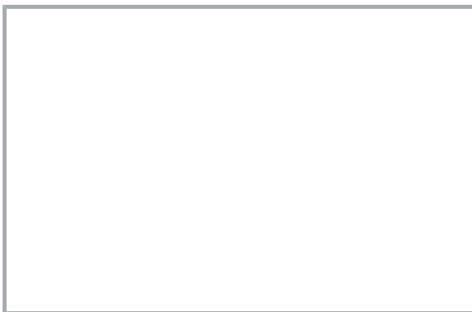
Testing



The modular TOPJOB® S connectors also connect conductors of the same size as the terminal blocks being used.



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

Subject to changes. Please also observe the further product documentation!



Test plug adapter (2009-174, CAT I) for 4 mm Ø plugs – compatible with 2000 to 2016 Series



Testing tap (2009-182) for tool-free connection of test cables up to 2.5 mm² (12 AWG) – compatible with 2000 to 2016 Series

Marking



Snapping WMB Inline markers into marker slots.



TOPJOB® S 2009-193 Group Marker Carrier (equipped with a marking strip) for all 2001 to 2016 Series TOPJOB® S Rail-Mount Terminal Blocks

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

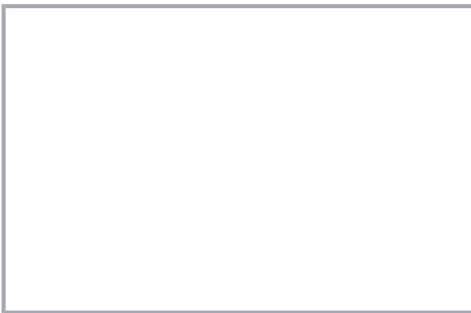
Do not use on an end plate!

Ex application

Subject to changes. Please also observe the further product documentation!



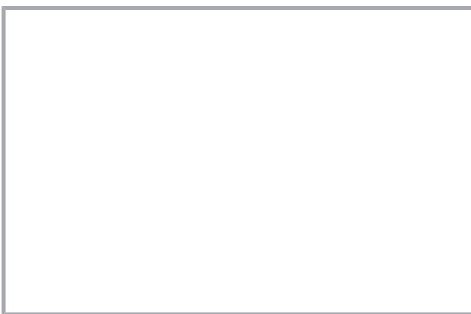
Through terminal blocks with a blue insulated housing are suitable for Ex i applications.



All through and ground conductor terminal blocks are suitable for Ex e II applications.

Separator plate for Ex e/Ex i applications

An end plate must be applied to the terminal block located directly behind an Ex e/Ex i separator plate.

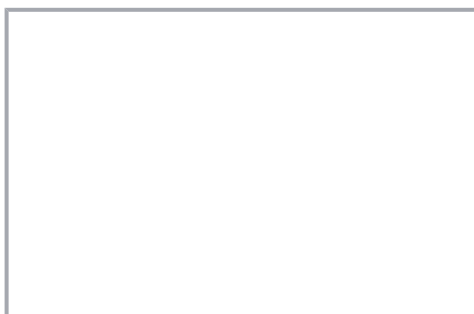


Ex e II/Ex i terminal strip

Note:

The movable feet of terminal blocks and separator plates must face the same direction.

Subject to changes. Please also observe the further product documentation!



A separator plate is located between the Ex e II and Ex i terminal strip.

End plate

Ex e II terminal blocks

Separator plate 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 DIN-rail.

Product family

TOPJOB® S

TOPJOB® S: In various industrial applications and modern building installations, WAGO's wide and versatile range of rail-mount terminal blocks provides more than just reliable electrical connections.

[Show all products from the family](#)

Subject to changes. Please also observe the further product documentation!