

Data sheet | Item number: 2002-1601

2-conductor through terminal block; 2.5 mm²; with test option; 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; gray

www.wago.com/2002-1601



Color:

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

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Data

Electrical data

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 |

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

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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 |
| Total number of potentials | 1 |
| Number of levels | 1 |
| Number of jumper slots | 2 |

Connection 1

Connection technology

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

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| | 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 | 66.1 mm / 2.602 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 | gray |
| Material group | I |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Fire load | 0.151 MJ |
| Weight | 7.6 g |

Environmental requirements

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

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



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 | CN |
| GTIN | 4045454974633 |
| 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. | EN 60947 | NTR NL 7941 |
| | CSA DEKRA Certification B.V. | C22.2 No. 158 | 1536069 |
| | 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 | - | - |
| | EU-Declaration of Conformity WAGO GmbH & Co. KG | - | - |
| | Railway WAGO GmbH & Co. KG | - | Railway Ready |
| | UK-Declaration of Conformity WAGO GmbH & Co. KG | - | - |

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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.: 2002-1691 End and intermediate plate; 1 mm thick; gray | www.wago.com/2002-1691 |
| Item no.: 2002-1692 End and intermediate plate; 1 mm thick; orange | www.wago.com/2002-1692 |

Optional accessories

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 |

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 |

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



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

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



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

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

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

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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

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

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

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| | |
|--|--|
| 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 |
| 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 | |

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



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

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

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

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

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| | |
|---|--|
| 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 |
| 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 | |

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



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

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

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

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| | |
|--|--|
| 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 | |
| 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 |

Carrier rail

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

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| 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 |
| 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 | | |

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



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

Item no.: 216-263

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red

www.wago.com/216-263

Item no.: 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

Item no.: 216-266

Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue

www.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; black

www.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; gray

www.wago.com/216-262

Insulation stop

Insulation stop

Item no.: 2002-171

Insulation stop; 0.25 - 0.5 mm²; 5 pieces/strip; light gray

www.wago.com/2002-171

Item no.: 2002-172

Insulation stop; 0.75 - 1 mm²; 5 pieces/strip; dark gray

www.wago.com/2002-172

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

Mounting

Cover carrier

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

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| | |
|--|--|
| 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 | |
| Item no.: 2009-412 Push-in type wire jumper; insulated; 60 mm long; black | www.wago.com/2009-412 |
| Item no.: 2009-414 Push-in type wire jumper; 1.5 mm ² ; insulated; 110 mm long; black | www.wago.com/2009-414 |
| Item no.: 2009-416 Push-in type wire jumper; 1.5 mm ² ; insulated; 250 mm long; black | www.wago.com/2009-416 |
| 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 |

Downloads

Documentation

Bid Text

| | | | |
|---------------------------|--------------|-----------------|----------|
| 2002-1601 X81 - Datei | 2019 年4月29 日 | xml 4.1 kB | Download |
| 2002-1601 docx - Datei | 2019 年4月23 日 | docx 15.7 kB | Download |

Additional Information

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CAD/CAE-Data

CAD data

| | | |
|------------------------|-----|----------|
| 2D/3D Models 2002-1601 | URL | Download |
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Subject to changes. Please also observe the further product documentation!

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CAE data

| | | |
|-----------------------------|-----|----------|
| EPLAN Data Portal 2002-1601 | URL | Download |
| WSCAD Universe 2002-1601 | URL | Download |
| ZUKEN Portal 2002-1601 | URL | Download |

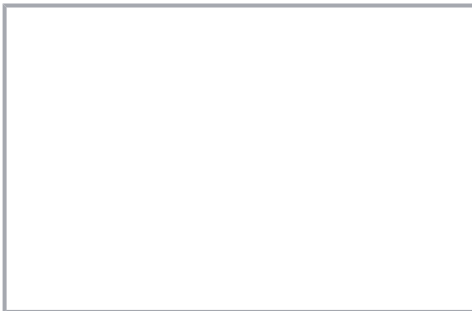
Environmental Product Compliance

Compliance Search

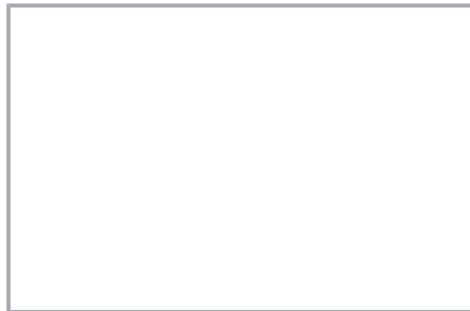
| | | |
|---|-----|----------|
| Environmental Product Compliance 2002-1601 2-conductor through terminal block; 2.5 mm ² ; with test option; same profile as 2-conductor disconnect terminal block; side and center marking; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm ² ; gray | URL | Download |
|---|-----|----------|

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.

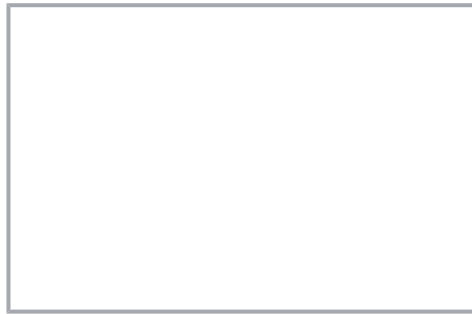
Place the operating tool in the center of jumpers for up to five contacts (see above), or alternately on both sides for jumpers with more than five contacts.

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!



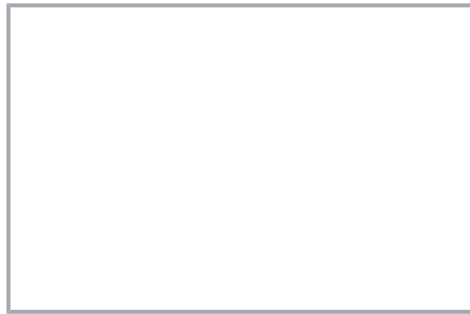
Continuous jumpers (2002 Series) readily connect an endless number of terminal blocks to each other via single jumper slot. Use the second jumper slot for additional commoning or testing.



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.

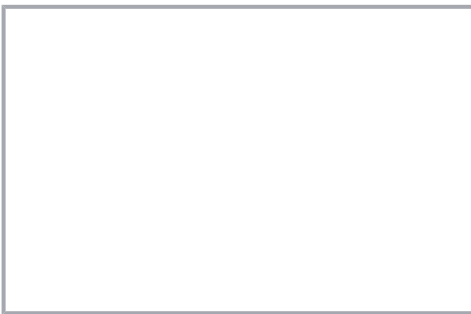
Testing



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!



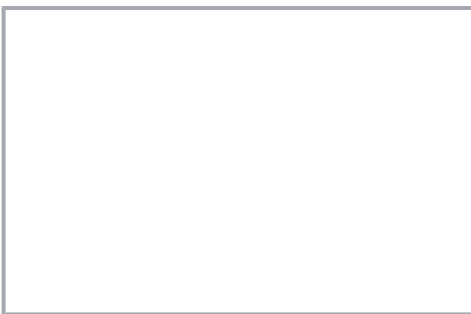
Through terminal blocks with a blue insulated housing are suitable for Ex i applications.



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.

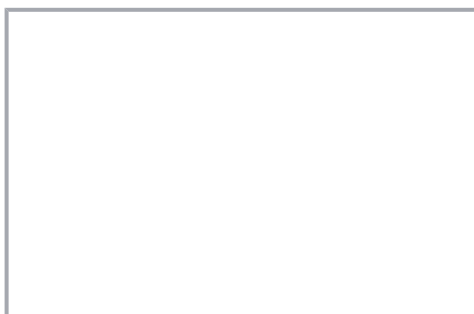


Ex e II/Ex i terminal strip

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!