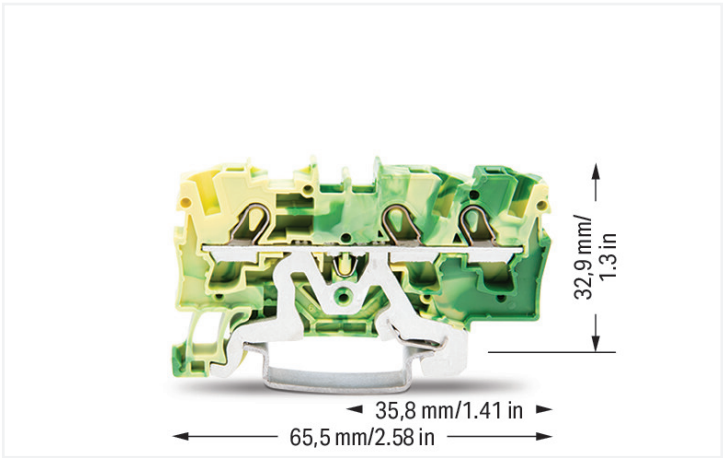


Data Sheet | Item Number: 2004-1307

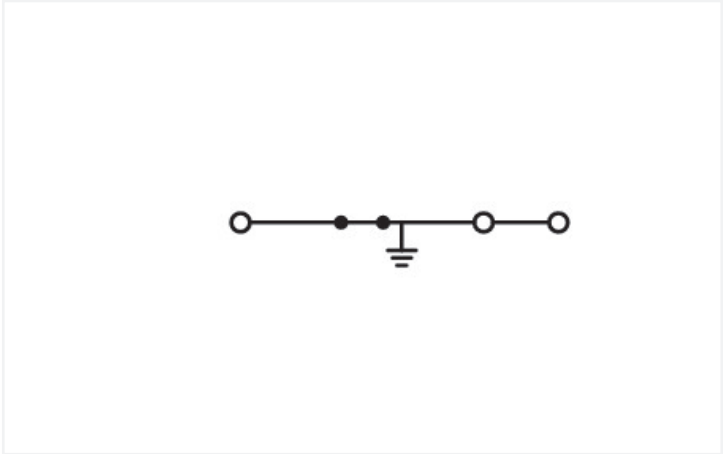
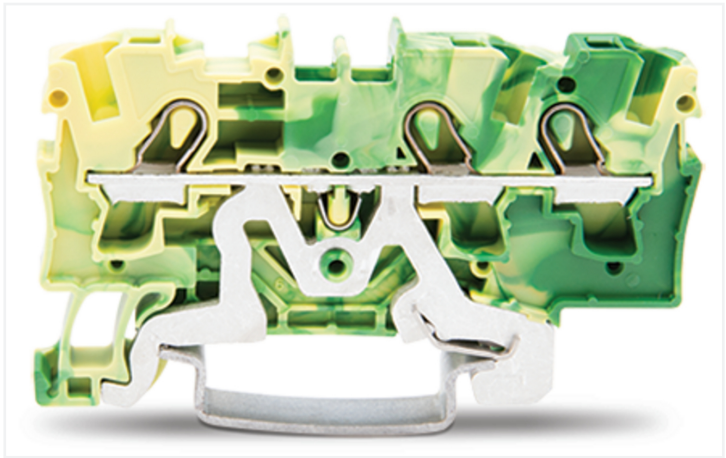
3-conductor ground terminal block; 4 mm²; suitable for Ex e II applications; side and center marking; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 4,00 mm²; green-yellow



<https://www.wago.com/2004-1307>



Color: ■ green-yellow



Similar to illustration

Ground terminal block, 2004 Series, Push-in CAGE CLAMP®

This ground terminal block (item number 2004-1307) streamlines wire connections, making them both quick and easy. Our ground terminal blocks directly connect the mounting rail and the electrical conductors thanks to an integrated mounting foot. This connection ensures both electrical and mechanical stability between the conductors and the mounting adapter. Conductors should only be connected to this ground terminal block if their strip length is between 11 mm and 13 mm. This product features conductor terminals and utilizes Push-in CAGE CLAMP®. Push-in CAGE CLAMP® connection technology is ideal for connecting all conductor types. It allows direct insertion of both solid and fine-stranded conductors with ferrules without needing to use any tools—all thanks to its pluggable design. This ground terminal block is suitable for conductor cross sections ranging from 0.5 mm² to 6 mm². It features one level and three clamping points for connecting a single potential. The green-yellow housing is made of polyamide (PA66) for insulation. This through rail-mount terminal block is operated with an operating tool. Our TOPJOB® S rail-mount terminal blocks offer more than just secure electrical connections in a range of different industrial applications and modern building installations. They also offer the perfect solution for every application: lever, push-button, or operating slot. These through rail-mount terminal blocks are mounted using DIN-35 rails.. You can connect copper conductors via front-entry wiring. The two jumper slots enable potential distribution to other clamping points. This product is designed for specific Ex applications (please refer to the product datasheet).

| Electrical data | |
|---------------------------|---|
| Ex information | |
| Reference hazardous areas | See "Downloads – Documentation – Additional Information: Technical Section; Technical Explanations" |



| Connection data | | | |
|----------------------------|---|--|---|
| Clamping units | 3 | Connection 1 | |
| Total number of potentials | 1 | Connection technology | Push-in CAGE CLAMP® |
| Number of levels | 1 | Actuation type | Operating tool |
| Number of jumper slots | 2 | Connectable conductor materials | Copper |
| | | Nominal cross-section | 4 mm² |
| | | Solid conductor | 0.5 ... 6 mm² / 20 ... 10 AWG |
| | | Solid conductor; push-in termination | 1.5 ... 6 mm² / 14 ... 10 AWG |
| | | Fine-stranded conductor | 0.5 ... 6 mm² / 20 ... 10 AWG |
| | | Fine-stranded conductor; with insulated ferrule | 0.5 ... 4 mm² / 20 ... 12 AWG |
| | | Fine-stranded conductor; with ferrule; push-in termination | 1.5 ... 4 mm² / 18 ... 12 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 | 11 ... 13 mm / 0.43 ... 0.51 inches |
| | | Wiring direction | Front-entry wiring |

| Physical data | |
|-----------------------------------|------------------------|
| Width | 6.2 mm / 0.244 inches |
| Height | 65.5 mm / 2.579 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 | green-yellow |
| Material group | I |
| Insulation material (main housing) | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Fire load | 0.15 MJ |
| Weight | 14.6 g |

| Environmental requirements | | | |
|----------------------------------|-----------------|--|--|
| Processing temperature | -35 ... +85 °C | Environmental Testing (Environmental Conditions) | |
| Continuous operating temperature | -60 ... +105 °C | Test specification Railway applications – Rolling stock – Electronic equipment | DIN EN 50155 (VDE 0115-200):2022-06 |
| | | Test procedure Railway applications – Rolling stock equipment – Shock and vibration tests | DIN EN 61373 (VDE 0115-0106):2011-04 |
| | | Spectrum/Installation location | Service life test, Category 1, Class A/B |
| | | Function test with noise-like vibration | Test passed according to Section 8 of the standard |
| | | Frequency | f ₁ = 5 Hz to f ₂ = 150 Hz f ₁ = 5 Hz to f ₂ = 150 Hz |



Environmental Testing (Environmental Conditions)

| | |
|--|---|
| Acceleration | 0.101g (highest test level used for all axes) 0.572g (highest test level used for all axes) 5g (highest test level used for all axes) |
| Test duration per axis | 10 min. 5 h |
| Test directions | X, Y and Z axes X, Y and Z axes X, Y and Z axes |
| Monitoring for contact faults/interruptions | Passed |
| Voltage drop measurement before and after each axis | Passed |
| Simulated service life test through increased levels of noise-like vibration | Test passed according to Section 9 of the standard |
| Extended test scope: Monitoring for contact faults/interruptions | Passed Passed |
| Extended test scope: Voltage drop measurement before and after each axis | Passed Passed |
| Shock test | Test passed according to Section 10 of the standard |
| Shock form | Half sine |
| Shock duration | 30 ms |
| Number of shocks per axis | 3 pos. und 3 neg. |
| Vibration and shock stress for rolling stock equipment | Passed |

Commercial data

| | |
|-----------------------|---------------|
| Product Group | 22 (TOPJOB S) |
| PU (SPU) | 50 pcs |
| Packaging type | Box |
| Country of origin | DE |
| GTIN | 4017332071604 |
| Customs tariff number | 85369010000 |

Product classification

| | |
|-------------|----------------------|
| UNSPSC | 39121410 |
| eCl@ss 10.0 | 27-14-11-41 |
| eCl@ss 9.0 | 27-14-11-41 |
| ETIM 9.0 | EC000901 |
| ETIM 8.0 | EC000901 |
| ECCN | NO US CLASSIFICATION |

Environmental Product Compliance

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



Approvals / Certificates

General approvals



| Approval | Standard | Certificate Name |
|--------------------------------------|---------------|------------------|
| CCA DEKRA Certification B.V. | EN 60947 | 71-125978 |
| CCA DEKRA Certification B.V. | EN 60947 | NTR NL-7964 |
| CSA DEKRA Certification B.V. | C22.2 No. 158 | 1645435 |
| UL Underwriters Laboratories Inc. | UL 1059 | E45172 |

Declarations of conformity and manufacturer's declarations



| Approval | Standard | Certificate Name |
|---|----------|------------------|
| ATEX-Attestation of Con- formity WAGO GmbH & Co. KG | - | - |
| EU-Declaration of Confor- mity WAGO GmbH & Co. KG | - | - |
| Railway WAGO GmbH & Co. KG | - | Railway Ready |
| UK-Declaration of Confor- mity WAGO GmbH & Co. KG | - | - |

Approvals for marine applications



| Approval | Standard | Certificate Name |
|---|----------|------------------|
| DNV GL Det Norske Veritas, Ger- manischer Lloyd | - | TAE00001V2 |

Approvals for hazardous areas



| Approval | Standard | Certificate Name |
|---|-------------|--|
| AEx Underwriters Laboratories Inc. | EN 60079 | E185892 (AEx eb IIC resp. Ex eb IIC) |
| ATEX Physikalisch Technische Bundesanstalt (PTB) | EN 60079 | PTB 05 ATEX 1095 U (II 2 G Ex eb IIC Gb bzw. I M 2 Ex eb I Mb) |
| CCCEX CQST/CNEx | GB/T 3836.3 | 2020312313000160 (Ex eb IIC Gb, Ex eb I Mb) |
| IECEX Physikalisch Technische Bundesanstalt (PTB) | IEC 60079 | IECEX PTB 05.0033 U (Ex eb IIC Gb resp. Ex eb I Mb) |
| INMETRO TÜV Rheinland do Brasil Ltda. | IEC 60079 | TÜV 12.1309 U |

Downloads

Environmental Product Compliance

| Compliance Search |
|---|
| Environmental Product Compliance 2004-1307 |





Documentation

| Bid Text | | | |
|-----------|------------|------------------|-------------------|
| 2004-1307 | 19.02.2019 | xml 3.57 KB | ↓ |
| 2004-1307 | 07.08.2018 | docx 14.57 KB | ↓ |

CAD/CAE-Data

| CAD data | CAE data |
|---|--|
| 2D/3D Models 2004-1307 ↓ | EPLAN Data Portal 2004-1307 ↓ |
| | WSCAD Universe 2004-1307 ↓ |
| | ZUKEN Portal 2004-1307 ↓ |

1 Compatible Products

1.1 Required Accessories

1.1.1 End plate

1.1.1.1 End plate



Item No.: 2004-1391
End and intermediate plate; 1 mm thick; gray



Item No.: 2004-1392
End and intermediate plate; 1 mm thick; orange



Item No.: 209-191
Separator for Ex e/Ex i applications; 3 mm thick; 120 mm wide; orange

1.2 Optional Accessories

1.2.1 DIN-rail

1.2.1.1 Mounting accessories



Item No.: 210-196
Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslopped; similar to EN 60715; silver-colored



Item No.: 210-198
Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslopped; according to EN 60715; copper-colored



Item No.: 210-508
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slopped; galvanized; similar to EN 60715; silver-colored



Item No.: 210-197
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slopped; similar to EN 60715; silver-colored



Item No.: 210-506
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslopped; galvanized; similar to EN 60715; silver-colored



Item No.: 210-114
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slopped; similar to EN 60715; silver-colored



Item No.: 210-118
Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslopped; according to EN 60715; silver-colored



Item No.: 210-115
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slopped; according to EN 60715; silver-colored



Item No.: 210-112
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slopped; according to EN 60715; silver-colored



Item No.: 210-504
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slopped; galvanized; according to EN 60715; silver-colored



Item No.: 210-113
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslopped; according to EN 60715; silver-colored



Item No.: 210-505
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslopped; galvanized; according to EN 60715; silver-colored



1.2.2 End plate

1.2.2.1 End plate



Item No.: 2004-1393
Seperator plate; 2 mm thick; oversized; gray



Item No.: 2004-1394
Seperator plate; 2 mm thick; oversized; orange

1.2.3 Ferrule

1.2.3.1 Ferrule



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



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



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



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



Item No.: 216-267
Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray

1.2.4 Installation

1.2.4.1 Cover



Item No.: 709-156
Cover; Type 3; suitable for cover carrier, type 3; 1 m long; transparent

1.2.4.2 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



1.2.5 Insulation stop

1.2.5.1 Insulation stop



[Item No.: 2004-171](#)
Insulation stop; 0.25 - 0.5 mm²; 5 pieces/strip; light gray



[Item No.: 2004-172](#)
Insulation stop; 0.75 - 1 mm²; 5 pieces/strip; dark gray

1.2.6 Jumper

1.2.6.1 Jumper



[Item No.: 2004-406/020-000](#)
Delta jumper; insulated; light gray



[Item No.: 2004-410](#)
Jumper; 10-way; insulated; light gray



[Item No.: 2004-402](#)
Jumper; 2-way; insulated; light gray



[Item No.: 2004-403](#)
Jumper; 3-way; insulated; light gray



[Item No.: 2004-404](#)
Jumper; 4-way; insulated; light gray



[Item No.: 2004-405](#)
Jumper; 5-way; insulated; light gray



[Item No.: 2004-406](#)
Jumper; 6-way; insulated; light gray



[Item No.: 2004-407](#)
Jumper; 7-way; insulated; light gray



[Item No.: 2004-408](#)
Jumper; 8-way; insulated; light gray



[Item No.: 2004-409](#)
Jumper; 9-way; insulated; light gray



[Item No.: 2004-440](#)
Jumper; from 1 to 10; insulated; light gray



[Item No.: 2004-433](#)
Jumper; from 1 to 3; insulated; light gray



[Item No.: 2004-434](#)
Jumper; from 1 to 4; insulated; light gray



[Item No.: 2004-435](#)
Jumper; from 1 to 5; insulated; light gray



[Item No.: 2004-436](#)
Jumper; from 1 to 6; insulated; light gray



[Item No.: 2004-437](#)
Jumper; from 1 to 7; insulated; light gray



[Item No.: 2004-438](#)
Jumper; from 1 to 8; insulated; light gray



[Item No.: 2004-439](#)
Jumper; from 1 to 9; insulated; light gray



[Item No.: 2004-405/011-000](#)
Star point jumper; 3-way; insulated; light gray



[Item No.: 210-103](#)
Wire commoning chain; insulated; black



[Item No.: 210-123](#)
Wire commoning chain; insulated; blue

1.2.7 Marking

1.2.7.1 Group marker carrier



[Item No.: 2009-191](#)
Group marker carrier; gray



[Item No.: 2009-192](#)
Group marker carrier; gray



[Item No.: 2009-193](#)
Group marker carrier; gray

1.2.7.2 Marker



[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



[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



[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



[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



[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



[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








































[Item No.: 2009-145](#)
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white



[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



1.2.7.2 Marker

| | | | |
|--|---|---|--|
|  Item No.: 248-501/000-006 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue |  Item No.: 248-501/000-007 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray |  Item No.: 248-501/000-023 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green |  Item No.: 248-501/000-017 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green |
|  Item No.: 248-501/000-012 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange |  Item No.: 248-501/000-005 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red |  Item No.: 248-501/000-024 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet |  Item No.: 248-501 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white |
|  Item No.: 248-501/000-002 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow |  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 |  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 |  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 |
|  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 |  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 |  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 |  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 |
|  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 |  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 |  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 |  Item No.: 793-501/000-006 WMB marking card; as card; not stretchable; plain; snap-on type; blue |
|  Item No.: 793-501/000-007 WMB marking card; as card; not stretchable; plain; snap-on type; gray |  Item No.: 793-501/000-023 WMB marking card; as card; not stretchable; plain; snap-on type; green |  Item No.: 793-501/000-017 WMB marking card; as card; not stretchable; plain; snap-on type; light green |  Item No.: 793-501/000-012 WMB marking card; as card; not stretchable; plain; snap-on type; orange |
|  Item No.: 793-501/000-005 WMB marking card; as card; not stretchable; plain; snap-on type; red |  Item No.: 793-501/000-024 WMB marking card; as card; not stretchable; plain; snap-on type; violet |  Item No.: 793-501 WMB marking card; as card; not stretchable; plain; snap-on type; white |  Item No.: 793-501/000-002 WMB marking card; as card; not stretchable; plain; snap-on type; yellow |
|  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 |  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 |  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 |  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 |
|  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 |  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 |  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 |  Item No.: 2009-115 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white |
|  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 | | | |



1.2.7.3 Marker carrier



Item No.: 2009-198
Adaptor; gray

1.2.7.4 Marking strip



Item No.: 2009-110
Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

1.2.8 Protective warning marker

1.2.8.1 Cover



Item No.: 2004-115
Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

1.2.9 Screwless end stop

1.2.9.1 Mounting accessories



Item No.: 249-117
Screwless end stop; 10 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray



Item No.: 249-116
Screwless end stop; 6 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

1.2.10 Test and measurement

1.2.10.1 Testing accessories



Item No.: 2004-511
Modular TOPJOB®S connector; modular; for jumper contact slot; 1-pole; gray



Item No.: 2004-552
Modular TOPJOB®S connector; modular; for jumper contact slot; 2-pole; gray



Item No.: 2004-553
Modular TOPJOB®S connector; modular; for jumper contact slot; 3-pole; gray



Item No.: 2004-554
Modular TOPJOB®S connector; modular; for jumper contact slot; 4-pole; gray



Item No.: 2004-555
Modular TOPJOB®S connector; modular; for jumper contact slot; 5-pole; gray



Item No.: 2004-549
Spacer module; modular; e.g., for bridging commoned terminal blocks; gray



Item No.: 2009-174
Test plug adapter; for 4 mm Ø test plugs; for testing TOPJOB®S rail-mounted terminal blocks; gray



Item No.: 2009-182
Testing tap; for max. 2.5 mm²; tool-free connection for individual test wires 0.08 - 2.5 mm; gray

1.2.11 Tool

1.2.11.1 Operating tool



Item No.: 210-658
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; angled; short; multicoloured

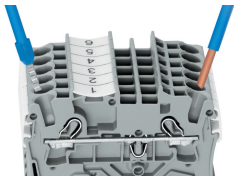
Item No.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

Installation Notes

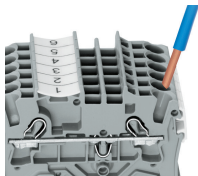
Conductor termination



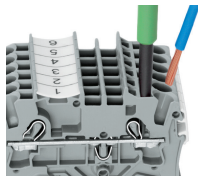
All conductor types at a glance



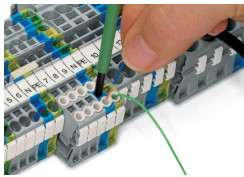
Push-in termination of solid and ferruled conductors



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.

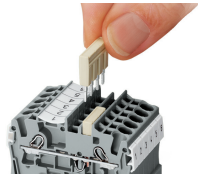


Inserting a conductor via operating tool:
Connecting fine-stranded conductors without ferrules, or small cross-sectional conductors that cannot be pushed in, is performed similarly to the original CAGE CLAMP® – just use an operating tool.
Advantage:
To open the clamp, the operating tool is inserted vertically. The conductor entry is less than 15 degrees for easier wiring.

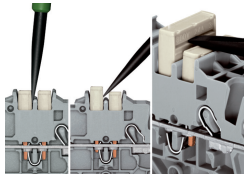


Conductor termination – insulation stop

Commoning

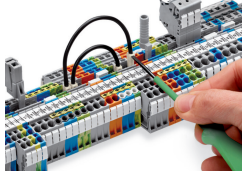
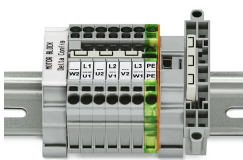
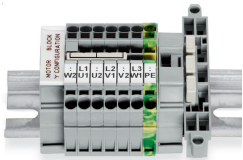


Insert push-in type jumper bar and push down until it hits backstop.



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

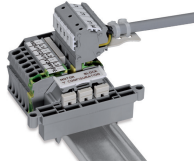
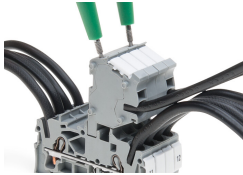


This star point jumper has been specially developed to create a “star point” and is used on motor terminal boards equipped with Rail-Mount Terminal Blocks TOPJOB® S.

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.

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

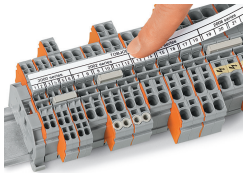
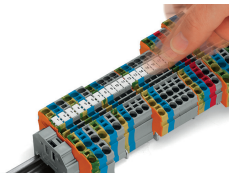
Rail-mount terminal block assembly for electric motor wiring

Test plug adapter (Item No. 2009-174, CAT I) for 4 mm Ø plugs – compatible with 2000 to 2016 Series



Testing tap (Item No. 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
Do not use on an end plate!