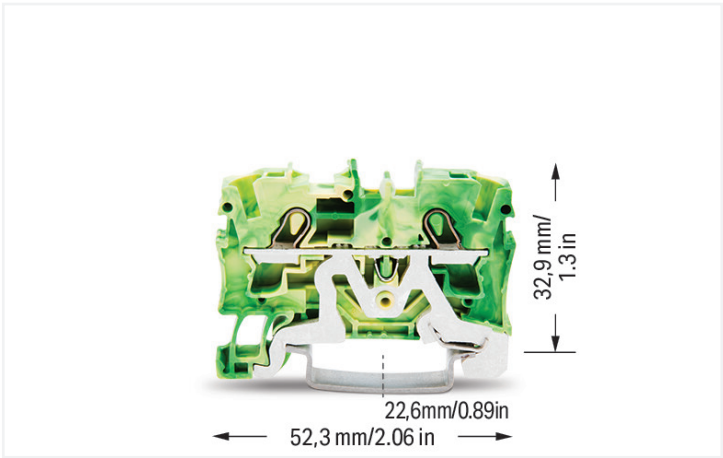


**Data Sheet | Item Number: 2004-1207**

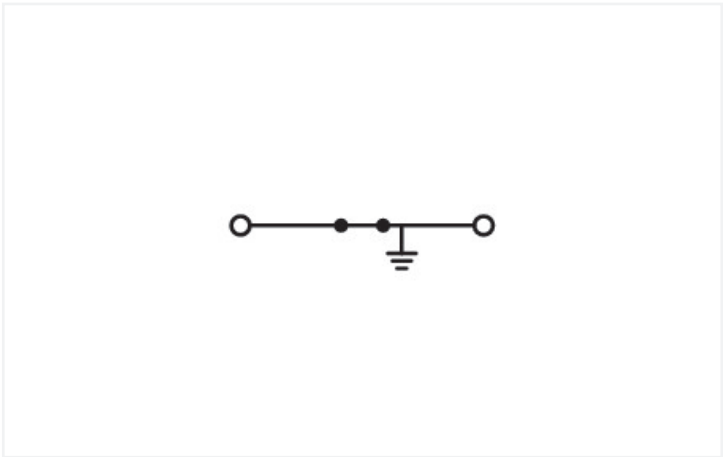
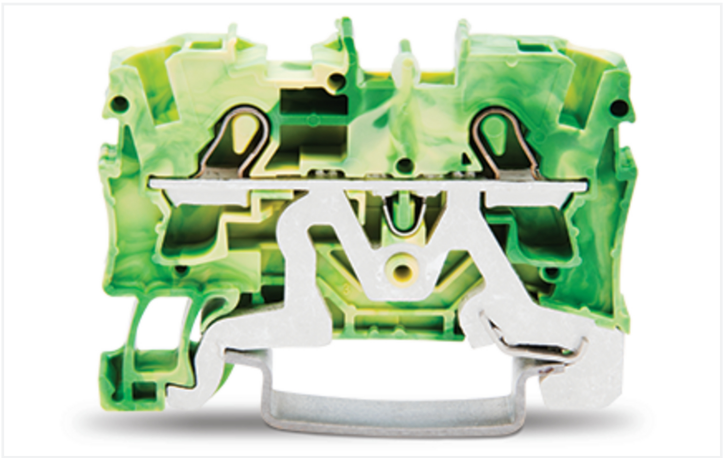
2-conductor ground terminal block; 4 mm²; suitable for Ex e II applications; side and center marking; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 4,00 mm²; green-yellow



<https://www.wago.com/2004-1207>



Color: ■ green-yellow



Similar to illustration

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

Our ground terminal block (item number 2004-1207) is designed for seamless electrical installations. Ground terminal blocks connect directly to the mounting rail via an integrated contact foot. This creates an electrical and mechanical link between the electrical conductors and the mounting adapter. Strip lengths must be between 11 mm and 13 mm when connecting conductors to this ground terminal block. Featuring conductor terminals along with Push-in CAGE CLAMP®, this connector outperforms the competition. Push-in CAGE CLAMP® technology provides a universal connection solution for all conductor types. It allows both solid and fine-stranded conductors with ferrules to be inserted directly into the clamping point without the need for tools. Depending on the conductor type, this ground terminal block is designed for conductor cross sections ranging from 0.5 mm² to 6 mm². It features one level and two 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 are perfect for a wide range of industrial applications and modern building installations thanks to the secure electrical connections they provide. You can work anywhere in the world and on any application with just a single rail-mount terminal block system. These through rail-mount terminal blocks are mounted using DIN-35 rails.. Conductors made of copper can be connected 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 to hazardous areas | See "Downloads – Documentation – Additional Information: Technical Section; Technical Explanations" |



| Connection data            |   |                                                            |                                                                                                                                   |
|----------------------------|---|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Clamping units             | 2 | 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                            | 52.3 mm / 2.059 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)               | <a href="#">Information on material specifications can be found here</a> |
| Color                              | green-yellow                                                             |
| Material group                     | I                                                                        |
| Insulation material (main housing) | Polyamide (PA66)                                                         |
| Flammability class per UL94        | V0                                                                       |
| Fire load                          | 0.126 MJ                                                                 |
| Weight                             | 12.4 g                                                                   |

| Environmental requirements       |                 |                                                                                                     |                                                    |
|----------------------------------|-----------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------|
| Processing temperature           | -35 ... +85 °C  | Environmental Testing                                                                               |                                                    |
| Continuous operating temperature | -60 ... +105 °C | Test specification:<br>Railway applications –<br>Rolling stock –<br>Electronic equipment            | DIN EN 50155 (VDE 0115-200):2022-06                |
|                                  |                 | Test procedure:<br>Railway applications –<br>Rolling stock equipment –<br>Vibration and shock tests | DIN EN 61373 (VDE 0115-0106):2011-04               |
|                                  |                 | Spectrum/Mounting location                                                                          | Service life test, Category 1, Class A/B           |
|                                  |                 | Functional test with noise-like oscillations                                                        | Test passed according to Section 8 of the standard |
|                                  |                 | Frequency                                                                                           | f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 150 Hz   |
|                                  |                 | Acceleration                                                                                        | 0.101g (highest test level used for all axes)      |
|                                  |                 | Test duration per axis                                                                              | 10 min.                                            |



| Environmental Testing                                                           |                                                     |
|---------------------------------------------------------------------------------|-----------------------------------------------------|
| Test directions                                                                 | X, Y and Z axes                                     |
| Monitoring of contact faults and interruptions                                  | Passed                                              |
| Voltage drop measurement before and after each axis                             | Passed                                              |
| Simulated service life test through increased levels of noise-like oscillations | Test passed according to Section 9 of the standard  |
| Frequency                                                                       | f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 150 Hz    |
| Acceleration                                                                    | 0.572g (highest test level used for all axes)       |
| Test duration per axis                                                          | 5 h                                                 |
| Test directions                                                                 | X, Y and Z axes                                     |
| Extended testing: Monitoring of contact faults and interruptions                | Passed                                              |
| Extended testing: Voltage drop measurement before and after each axis           | Passed                                              |
| Shock test                                                                      | Test passed according to Section 10 of the standard |
| Shock pulse form                                                                | Half sine                                           |
| Acceleration                                                                    | 5g (highest test level used for all axes)           |
| Shock duration                                                                  | 30 ms                                               |
| Number of shocks (per axis)                                                     | 3 pos. und 3 neg.                                   |
| Test directions                                                                 | X, Y and Z axes                                     |
| Extended testing: Monitoring of contact faults and interruptions                | Passed                                              |
| Extended testing: Voltage drop measurement before and after each axis           | Passed                                              |
| 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                  | 4017332071345 |
| 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                       |               |                  | Declarations of conformity and manufacturer's declarations |          |                  |
|-----------------------------------------|---------------|------------------|------------------------------------------------------------|----------|------------------|
|                                         |               |                  |                                                            |          |                  |
| Approval                                | Standard      | Certificate Name | Approval                                                   | Standard | Certificate Name |
| CCA<br>DEKRA Certification B.V.         | EN 60947      | 71-125978        | ATEX-Attestation of Con-<br>formity<br>WAGO GmbH & Co. KG  | -        | -                |
| CCA<br>DEKRA Certification B.V.         | EN 60947      | NTR NL-7964      | EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG    | -        | -                |
| CSA<br>DEKRA Certification B.V.         | C22.2 No. 158 | 1645435          | Railway<br>WAGO GmbH & Co. KG                              | -        | Railway Ready    |
| UL<br>Underwriters Laboratories<br>Inc. | UL 1059       | E45172           | UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG    | -        | -                |

Approvals for marine applications

| Approval                                              | Standard | Certificate Name | Approval                                                | Standard    | Certificate Name                                                     |
|-------------------------------------------------------|----------|------------------|---------------------------------------------------------|-------------|----------------------------------------------------------------------|
| DNV GL<br>Det Norske Veritas, Ger-<br>manischer Lloyd | -        | TAE00001V2       | AEx<br>Underwriters Laboratories<br>Inc.                | EN 60079    | E185892 (AEx eb IIC resp.<br>Ex eb IIC)                              |
|                                                       |          |                  | ATEX<br>Physikalisch Technische<br>Bundesanstalt (PTB)  | EN 60079    | PTB 05 ATEX 1095 U (II 2<br>G Ex eb IIC Gb bzw. I M 2<br>Ex eb I Mb) |
|                                                       |          |                  | CCCEX<br>CQST/CNEEx                                     | GB/T 3836.3 | 2020312313000160 (Ex<br>eb IIC Gb, Ex eb I Mb)                       |
|                                                       |          |                  | IECEX<br>Physikalisch Technische<br>Bundesanstalt (PTB) | IEC 60079   | IECEX PTB 05.0033 U (Ex<br>eb IIC Gb resp. Ex eb I Mb)               |
|                                                       |          |                  | INMETRO<br>TÜV Rheinland do Brasil<br>Ltda.             | IEC 60079   | TÜV 12.1309 U                                                        |

Downloads

| Environmental Product Compliance              |  |
|-----------------------------------------------|--|
| Compliance Search                             |  |
| Environmental Product<br>Compliance 2004-1207 |  |



Documentation

| Bid Text  |            |                  |                   |
|-----------|------------|------------------|-------------------|
| 2004-1207 | 07.08.2018 | docx<br>14.55 KB | <a href="#">↓</a> |
| 2004-1207 | 19.02.2019 | xml<br>3.57 KB   | <a href="#">↓</a> |

CAD/CAE-Data

| CAD data                                    | CAE data                                         |
|---------------------------------------------|--------------------------------------------------|
| 2D/3D Models<br>2004-1207 <a href="#">↓</a> | EPLAN Data Portal<br>2004-1207 <a href="#">↓</a> |
|                                             | WSCAD Universe<br>2004-1207 <a href="#">↓</a>    |
|                                             | ZUKEN Portal<br>2004-1207 <a href="#">↓</a>      |

1 Compatible Products

1.1 Required Accessories

1.1.1 End plate

| 1.1.1.1 End plate                                                                   |                                                                                       |                                                                                                            |  |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|--|
|  |    |                        |  |
| <a href="#">Item No.: 2004-1291</a><br>End and intermediate plate; 1 mm thick; gray | <a href="#">Item No.: 2004-1292</a><br>End and intermediate plate; 1 mm thick; orange | <a href="#">Item No.: 209-191</a><br>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                                                                                                                                   |                                                                                                                                                        |                                                                                                                                                       |                                                                                                                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                             |                                                                     |                                                                   |                                                                           |
| <a href="#">Item No.: 210-196</a><br>Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslopped; similar to EN 60715; silver-colored                | <a href="#">Item No.: 210-198</a><br>Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslopped; according to EN 60715; copper-colored         | <a href="#">Item No.: 210-508</a><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slopped; galvanized; similar to EN 60715; silver-colored | <a href="#">Item No.: 210-197</a><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slopped; similar to EN 60715; silver-colored                      |
|                                                                             |                                                                     |                                                                   |                          |
| <a href="#">Item No.: 210-506</a><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslopped; galvanized; similar to EN 60715; silver-colored        | <a href="#">Item No.: 210-114</a><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslopped; similar to EN 60715; silver-colored            | <a href="#">Item No.: 210-118</a><br>Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslopped; according to EN 60715; silver-colored         | <a href="#">Item No.: 210-115</a><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slopped; according to EN 60715; \"Hole width 18 mm; silver-colored |
|                            |                                                                     |                                                                   |                                                                           |
| <a href="#">Item No.: 210-112</a><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slopped; according to EN 60715; \"Hole width 25 mm; silver-colored | <a href="#">Item No.: 210-504</a><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slopped; galvanized; according to EN 60715; silver-colored | <a href="#">Item No.: 210-113</a><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslopped; according to EN 60715; silver-colored          | <a href="#">Item No.: 210-505</a><br>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.: 209-190](#)  
Separator for Ex e/Ex i applications; 3 mm thick; 90 mm wide; orange



[Item No.: 2004-1293](#)  
Separator plate; 2 mm thick; oversized; gray



[Item No.: 2004-1294](#)  
Separator plate; 2 mm thick; oversized; orange

1.2.3 Ferrule

1.2.3.1 Ferrule



[Item No.: 216-262](#)  
Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 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 mm<sup>2</sup> / 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 mm<sup>2</sup> / 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 mm<sup>2</sup> / 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 mm<sup>2</sup> / 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

|                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><b>Item No.: 248-501/000-006</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue                                            | <br><b>Item No.: 248-501/000-007</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray                                                 | <br><b>Item No.: 248-501/000-023</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green                                           | <br><b>Item No.: 248-501/000-017</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green                                   |
| <br><b>Item No.: 248-501/000-012</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange                                          | <br><b>Item No.: 248-501/000-005</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red                                                  | <br><b>Item No.: 248-501/000-024</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet                                          | <br><b>Item No.: 248-501</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white                                                 |
| <br><b>Item No.: 248-501/000-002</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow                                          | <br><b>Item No.: 793-5501/000-006</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; blue        | <br><b>Item No.: 793-5501/000-014</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; brown  | <br><b>Item No.: 793-5501/000-007</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; gray |
| <br><b>Item No.: 793-5501/000-023</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; green  | <br><b>Item No.: 793-5501/000-017</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green | <br><b>Item No.: 793-5501/000-012</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; orange | <br><b>Item No.: 793-5501/000-005</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red  |
| <br><b>Item No.: 793-5501/000-024</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; violet | <br><b>Item No.: 793-5501</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white               | <br><b>Item No.: 793-5501/000-002</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; yellow | <br><b>Item No.: 793-501/000-006</b><br>WMB marking card; as card; not stretchable; plain; snap-on type; blue                                               |
| <br><b>Item No.: 793-501/000-007</b><br>WMB marking card; as card; not stretchable; plain; snap-on type; gray                                                | <br><b>Item No.: 793-501/000-023</b><br>WMB marking card; as card; not stretchable; plain; snap-on type; green                                                    | <br><b>Item No.: 793-501/000-017</b><br>WMB marking card; as card; not stretchable; plain; snap-on type; light green                                         | <br><b>Item No.: 793-501/000-012</b><br>WMB marking card; as card; not stretchable; plain; snap-on type; orange                                            |
| <br><b>Item No.: 793-501/000-005</b><br>WMB marking card; as card; not stretchable; plain; snap-on type; red                                                | <br><b>Item No.: 793-501/000-024</b><br>WMB marking card; as card; not stretchable; plain; snap-on type; violet                                                  | <br><b>Item No.: 793-501</b><br>WMB marking card; as card; not stretchable; plain; snap-on type; white                                                      | <br><b>Item No.: 793-501/000-002</b><br>WMB marking card; as card; not stretchable; plain; snap-on type; yellow                                           |
| <br><b>Item No.: 2009-115/000-006</b><br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue              | <br><b>Item No.: 2009-115/000-007</b><br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray                   | <br><b>Item No.: 2009-115/000-023</b><br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green             | <br><b>Item No.: 2009-115/000-017</b><br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; light green     |
| <br><b>Item No.: 2009-115/000-012</b><br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange            | <br><b>Item No.: 2009-115/000-005</b><br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red                    | <br><b>Item No.: 2009-115/000-024</b><br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet            | <br><b>Item No.: 2009-115</b><br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white                   |
| <br><b>Item No.: 2009-115/000-002</b><br>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 ter-  
minal 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



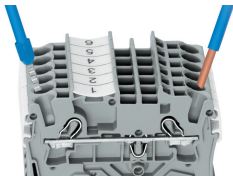
**Item No.: 210-720**  
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

Installation Notes

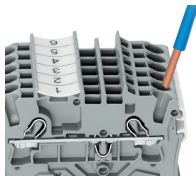
Conductor termination



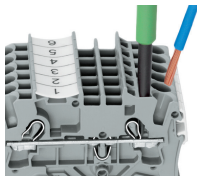
**All conductor types at a glance**



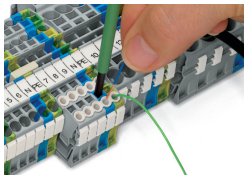
Push-in termination of solid and ferruled conductors



**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.

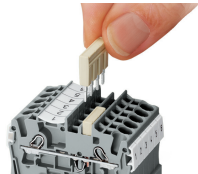


**Inserting a conductor via operating tool:**  
Connecting fine-stranded conductors without ferrules, or small cross-sectional conductors that cannot be pushed in, is performed similarly to the original CAGE CLAMP® – just use an operating tool.  
**Advantage:**  
To open the clamp, the operating tool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

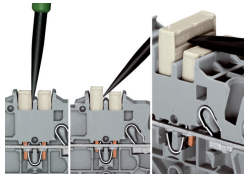


Conductor termination – insulation stop

Commoning

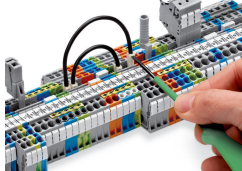
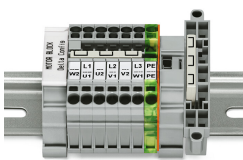
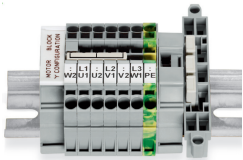


Insert push-in type jumper bar and push down until it hits backstop.



**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

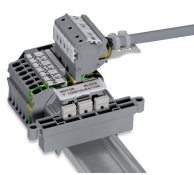
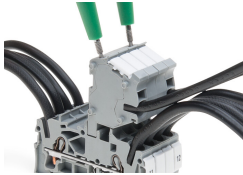


This star point jumper has been specially developed to create a “star point” and is used on motor terminal boards equipped with Rail-Mount Terminal Blocks TOPJOB® S.

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

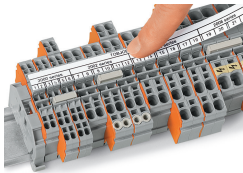
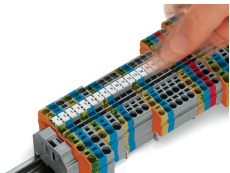
Rail-mount terminal block assembly for electric motor wiring

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!