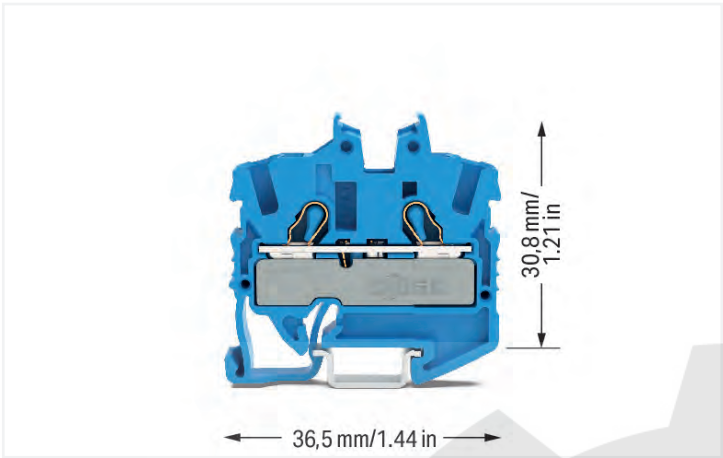


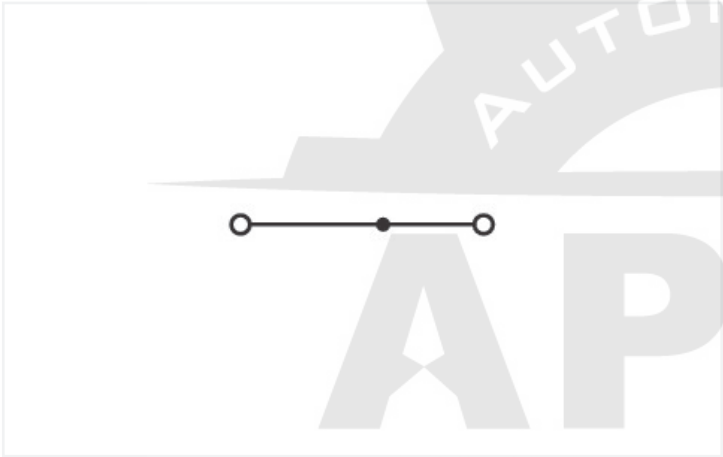
Data Sheet | Item Number: 2052-1204

2-conductor miniature through terminal block; with operating slots; 2.5 mm²; with test port; side and center marking; for DIN-15 rail; Push-in CAGE CLAMP®; 2,50 mm²; blue

<https://www.wago.com/2052-1204>



Color: blue



Similar to illustration

| Electrical data                               |                                                           |                                |         |
|-----------------------------------------------|-----------------------------------------------------------|--------------------------------|---------|
| Ratings per IEC/EN                            |                                                           | Ratings per UL 1059            |         |
| Ratings per                                   | IEC/EN 60947-7-1                                          | Approvals per                  | UL 1059 |
| Nominal voltage (III/3)                       | 800 V                                                     | Rated voltage UL (Use Group B) | 600 V   |
| Rated impulse voltage (III/3)                 | 8 kV                                                      | Rated current UL (Use Group B) | 20 A    |
| Rated current                                 | 24 A                                                      | Rated voltage UL (Use Group C) | 600 V   |
| Current at conductor cross-section (max.) mm² | 32 A                                                      | Rated current UL (Use Group C) | 20 A    |
| Legend (ratings)                              | (III / 3) ≙ Overvoltage category III / Pollution degree 3 |                                |         |

| Ratings per CSA                 |                 | Ex information                      |                                                                                                     |
|---------------------------------|-----------------|-------------------------------------|-----------------------------------------------------------------------------------------------------|
| Approvals per                   | CSA 22.2 No 158 | Reference hazardous areas           | See "Downloads – Documentation – Additional Information: Technical Section; Technical Explanations" |
| Rated voltage CSA (Use Group B) | 600 V           | Ratings per                         | ATEX: PTB 20 ATEX 1013 U / IECEx: PTB 20.0029U (Ex eb IIC Gb)                                       |
| Rated current CSA (Use Group B) | 20 A            | Rated voltage EN (Ex e II)          | 550 V                                                                                               |
| Rated voltage CSA (Use Group C) | 600 V           | Rated current (Ex e II)             | 22 A                                                                                                |
| Rated current CSA (Use Group C) | 20 A            | Rated current (Ex e II) with jumper | 20 A                                                                                                |

### Power loss

|                                                              |                  |
|--------------------------------------------------------------|------------------|
| Power loss, per pole (potential)                             | 0.7661 W         |
| Rated current $I_N$ for specified power loss                 | 24 A             |
| Resistance value for specified, current-dependent power loss | 0.00133 $\Omega$ |

### Connection data

|                            |   |                                                            |                                                                                                                                   |
|----------------------------|---|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Connection points          | 2 | <b>Connection 1</b>                                        |                                                                                                                                   |
| Total number of potentials | 1 | Connection technology                                      | Push-in CAGE CLAMP®                                                                                                               |
| Number of levels           | 1 | Actuation type                                             | Operating tool                                                                                                                    |
| Number of jumper slots     | 1 | Connectable conductor materials                            | Copper                                                                                                                            |
|                            |   | Nominal cross-section                                      | 2.5 mm²                                                                                                                           |
|                            |   | Solid conductor                                            | 0.25 ... 4 mm² / 22 ... 12 AWG                                                                                                    |
|                            |   | Solid conductor; push-in termination                       | 1 ... 4 mm² / 18 ... 12 AWG                                                                                                       |
|                            |   | Fine-stranded conductor                                    | 0.25 ... 4 mm² / 22 ... 12 AWG                                                                                                    |
|                            |   | Fine-stranded conductor; with insulated ferrule            | 1 ... 2.5 mm² / 18 ... 14 AWG                                                                                                     |
|                            |   | Fine-stranded conductor; with ferrule; push-in termination | 1 ... 2.5 mm² / 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                            | 36.5 mm / 1.437 inches |
| Depth from upper-edge of DIN-rail | 30.8 mm / 1.213 inches |

### Mechanical Data

|               |                     |
|---------------|---------------------|
| Mounting type | DIN-15 rail         |
| Marking level | Center/side marking |

### Material Data

|                             |                                                                          |
|-----------------------------|--------------------------------------------------------------------------|
| Note (material data)        | <a href="#">Information on material specifications can be found here</a> |
| Color                       | blue                                                                     |
| Material group              | I                                                                        |
| Insulation material         | Polyamide (PA66)                                                         |
| Flammability class per UL94 | V0                                                                       |
| Fire load                   | 0.093 MJ                                                                 |
| Weight                      | 4.3 g                                                                    |



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

| Commercial data       |               |
|-----------------------|---------------|
| ETIM 8.0              | EC000897      |
| ETIM 7.0              | EC000897      |
| PU (SPU)              | 100 pcs       |
| Country of origin     | DE            |
| GTIN                  | 4055144094503 |
| Customs tariff number | 85369010000   |

| Approvals / Certificates              |          |                  |                                                |                |                                                                |
|---------------------------------------|----------|------------------|------------------------------------------------|----------------|----------------------------------------------------------------|
| General approvals                     |          |                  | Approvals for hazardous areas                  |                |                                                                |
|                                       |          |                  |                                                |                |                                                                |
| Approval                              | Standard | Certificate Name | Approval                                       | Standard       | Certificate Name                                               |
| CCA<br>DEKRA Certification B.V.       | EN 60947 | NTR NL 7884      | AEx<br>Underwriters Laboratories Inc.          | UL 60079       | E185892 (AEx eb IIC resp. Ex eb IIC)                           |
| CCA<br>DEKRA Certification B.V.       | EN 60998 | NTR NL 7885      | ATEX<br>Physikalisch Technische Bundesanstalt  | EN IEC 60079-0 | PTB 20 ATEX 1013 U (II 2 G Ex eb IIC Gb bzw. I M 2 Ex eb I Mb) |
| CSA<br>DEKRA Certification B.V.       | C22.2    | 80058059         | IECEx<br>Physikalisch Technische Bundesanstalt | IEC 60079      | IECEx PTB 20.0029 U (Ex eb IIC Gb resp. Ex eb I Mb)            |
| KEMA/KEUR<br>DEKRA Certification B.V. | EN 60998 | 71-119680        | INMETRO<br>TÜV Rheinland do Brasil Ltda.       | IEC 60079      | TÜV 22.0015 U                                                  |
| KEMA/KEUR<br>DEKRA Certification B.V. | EN 60947 | 71-119664        |                                                |                |                                                                |
| UL<br>Underwriters Laboratories Inc.  | UL 1059  | E45172           |                                                |                |                                                                |

| Downloads                                  |  |
|--------------------------------------------|--|
| Environmental Product Compliance           |  |
| Compliance Search                          |  |
| Environmental Product Compliance 2052-1204 |  |

| Documentation          |                   |  |
|------------------------|-------------------|--|
| Additional Information |                   |  |
| Technical Section      | pdf<br>2142.18 KB |  |

| CAD/CAE-Data |
|--------------|
|--------------|



| CAD data                  |  |
|---------------------------|--|
| 2D/3D Models<br>2052-1204 |  |

| CAE data                       |  |
|--------------------------------|--|
| EPLAN Data Portal<br>2052-1204 |  |
| ZUKEN Portal<br>2052-1204      |  |

1 Compatible Products

1.1 Required Accessories

1.1.1 End plate

1.1.1.1 End plate



[Item No.: 2052-1291](#)  
End plate; gray

1.2 Optional Accessories

1.2.1 DIN-rail

1.2.1.1 Mounting accessories



[Item No.: 210-296](#)  
Aluminum carrier rail; 15 x 5.5 mm; 1 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored



[Item No.: 210-111](#)  
Steel carrier rail; 15 x 5.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; silver-colored



[Item No.: 210-295](#)  
Steel carrier rail; 15 x 5.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored

1.2.2 Ferrule

1.2.2.1 Ferrule



[Item No.: 216-241](#)  
Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white



[Item No.: 216-242](#)  
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



[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.: 216-243](#)  
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



[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.: 216-244](#)  
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



[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.: 216-246](#)  
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



[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

1.2.3.1 Cover



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

1.2.3.2 Cover carrier



**Item No.: 709-169**  
Cover carrier; Type 3; gray

1.2.3.3 Mounting accessories



**Item No.: 249-101**  
Screwless end stop; 6 mm wide; for WMB markers; gray

1.2.4 Insulation stop

1.2.4.1 Insulation stop



**Item No.: 2002-171**  
Insulation stop; 0.25 - 0.5 mm<sup>2</sup>; 5 pieces/strip; light gray



**Item No.: 2002-172**  
Insulation stop; 0.75 - 1 mm<sup>2</sup>; 5 pieces/strip; dark gray

1.2.5 Jumper

1.2.5.1 Jumper



**Item No.: 2002-400**  
Continuous jumper; 2-way; insulated; light gray



**Item No.: 2002-423/000-006**  
Continuous jumper; from 1 to 3; insulated; blue



**Item No.: 2002-423**  
Continuous jumper; from 1 to 3; insulated; light gray



**Item No.: 2002-423/000-005**  
Continuous jumper; from 1 to 3; insulated; red



**Item No.: 2002-424/000-006**  
Continuous jumper; from 1 to 4; insulated; blue



**Item No.: 2002-424**  
Continuous jumper; from 1 to 4; insulated; light gray



**Item No.: 2002-424/000-005**  
Continuous jumper; from 1 to 4; insulated; red



**Item No.: 2002-406/020-000**  
Delta jumper; insulated; light gray



**Item No.: 2002-410/000-006**  
Jumper; 10-way; insulated; blue



**Item No.: 2002-410**  
Jumper; 10-way; insulated; light gray



**Item No.: 2002-410/000-005**  
Jumper; 10-way; insulated; red



**Item No.: 2002-402/000-006**  
Jumper; 2-way; insulated; blue



**Item No.: 2002-402**  
Jumper; 2-way; insulated; light gray



**Item No.: 2002-402/000-005**  
Jumper; 2-way; insulated; red



**Item No.: 2002-403/000-006**  
Jumper; 3-way; insulated; blue



**Item No.: 2002-403**  
Jumper; 3-way; insulated; light gray



**Item No.: 2002-403/000-005**  
Jumper; 3-way; insulated; red



**Item No.: 2002-404/000-006**  
Jumper; 4-way; insulated; blue



**Item No.: 2002-404**  
Jumper; 4-way; insulated; light gray



**Item No.: 2002-404/000-005**  
Jumper; 4-way; insulated; red



**Item No.: 2002-405/000-006**  
Jumper; 5-way; insulated; blue



**Item No.: 2002-405**  
Jumper; 5-way; insulated; light gray



**Item No.: 2002-405/000-005**  
Jumper; 5-way; insulated; red



**Item No.: 2002-406/000-006**  
Jumper; 6-way; insulated; blue



1.2.5.1 Jumper

|                                                                                                                                                                     |                                                                                                                                                                           |                                                                                                                                                                                        |                                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><u>Item No.: 2002-406</u><br>Jumper; 6-way; insulated; light gray              | <br><u>Item No.: 2002-406/000-005</u><br>Jumper; 6-way; insulated; red                   | <br><u>Item No.: 2002-407/000-006</u><br>Jumper; 7-way; insulated; blue                              | <br><u>Item No.: 2002-407</u><br>Jumper; 7-way; insulated; light gray                      |
| <br><u>Item No.: 2002-407/000-005</u><br>Jumper; 7-way; insulated; red             | <br><u>Item No.: 2002-408/000-006</u><br>Jumper; 8-way; insulated; blue                  | <br><u>Item No.: 2002-408</u><br>Jumper; 8-way; insulated; light gray                                | <br><u>Item No.: 2002-408/000-005</u><br>Jumper; 8-way; insulated; red                     |
| <br><u>Item No.: 2002-409/000-006</u><br>Jumper; 9-way; insulated; blue            | <br><u>Item No.: 2002-409</u><br>Jumper; 9-way; insulated; light gray                    | <br><u>Item No.: 2002-409/000-005</u><br>Jumper; 9-way; insulated; red                               | <br><u>Item No.: 2002-440</u><br>Jumper; from 1 to 10; insulated; light gray               |
| <br><u>Item No.: 2002-433</u><br>Jumper; from 1 to 3; insulated; light gray        | <br><u>Item No.: 2002-434</u><br>Jumper; from 1 to 4; insulated; light gray              | <br><u>Item No.: 2002-435</u><br>Jumper; from 1 to 5; insulated; light gray                          | <br><u>Item No.: 2002-436</u><br>Jumper; from 1 to 6; insulated; light gray                |
| <br><u>Item No.: 2002-437</u><br>Jumper; from 1 to 7; insulated; light gray        | <br><u>Item No.: 2002-438</u><br>Jumper; from 1 to 8; insulated; light gray              | <br><u>Item No.: 2002-439</u><br>Jumper; from 1 to 9; insulated; light gray                          | <br><u>Item No.: 2002-480</u><br>Staggered jumper; 10-way; insulated; light gray           |
| <br><u>Item No.: 2002-481</u><br>Staggered jumper; 11-way; insulated; light gray   | <br><u>Item No.: 2002-482</u><br>Staggered jumper; 12-way; insulated; light gray         | <br><u>Item No.: 2002-473/011-000</u><br>Staggered jumper; 2-way; from 1 to 3; insulated; light gray | <br><u>Item No.: 2002-472</u><br>Staggered jumper; 2-way; insulated; light gray            |
| <br><u>Item No.: 2002-473</u><br>Staggered jumper; 3-way; insulated; light gray   | <br><u>Item No.: 2002-475/011-000</u><br>Staggered jumper; 3-way; insulated; light gray | <br><u>Item No.: 2002-474</u><br>Staggered jumper; 4-way; insulated; light gray                     | <br><u>Item No.: 2002-475</u><br>Staggered jumper; 5-way; insulated; light gray           |
| <br><u>Item No.: 2002-476</u><br>Staggered jumper; 6-way; insulated; light gray  | <br><u>Item No.: 2002-477</u><br>Staggered jumper; 7-way; insulated; light gray        | <br><u>Item No.: 2002-478</u><br>Staggered jumper; 8-way; insulated; light gray                    | <br><u>Item No.: 2002-479</u><br>Staggered jumper; 9-way; insulated; light gray          |
| <br><u>Item No.: 2002-477/011-000</u><br>Staggered jumper; insulated; light gray | <br><u>Item No.: 2002-479/011-000</u><br>Staggered jumper; insulated; light gray       | <br><u>Item No.: 2002-481/011-000</u><br>Staggered jumper; insulated; light gray                   | <br><u>Item No.: 2002-405/011-000</u><br>Star point jumper; 3-way; insulated; light gray |
| <br><u>Item No.: 210-103</u><br>Wire commoning chain; insulated; black           | <br><u>Item No.: 210-123</u><br>Wire commoning chain; insulated; blue                  |                                                                                                                                                                                        |                                                                                                                                                                               |

1.2.6 Marking

1.2.6.1 Group marker carrier

|                                                                                                                                                |                                                                                                                                                |                                                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <br><u>Item No.: 2009-191</u><br>Group marker carrier; gray | <br><u>Item No.: 2009-192</u><br>Group marker carrier; gray | <br><u>Item No.: 2009-193</u><br>Group marker carrier; gray |
|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|

## 1.2.6.2 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

**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.: 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





1.2.6.3 Marker carrier



**Item No.: 2002-161**  
Adaptor; gray

**Item No.: 2009-198**  
Adaptor; gray

1.2.6.4 Marking strip



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

1.2.7 Protective warning marker

1.2.7.1 Cover



**Item No.: 2002-115**  
Protective warning marker; for 5 terminal  
blocks; with high-voltage symbol, black;  
yellow

1.2.8 Push-in type wire jumper

1.2.8.1 Jumper



**Item No.: 2009-414**  
Push-in type wire jumper; 1.5 mm²; insu-  
lated; 110 mm long; black



**Item No.: 2009-414/000-005**  
Push-in type wire jumper; 1.5 mm²; insu-  
lated; 110 mm long; black



**Item No.: 2009-416**  
Push-in type wire jumper; 1.5 mm²; insu-  
lated; 250 mm long; black



**Item No.: 2009-414/000-006**  
Push-in type wire jumper; insulated; 110  
mm long; black



**Item No.: 2009-412**  
Push-in type wire jumper; insulated; 60  
mm long; black

1.2.9 Test and measurement

1.2.9.1 Testing accessories



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



**Item No.: 210-136**  
Test plug; 2 mm Ø; with 500 mm cable;  
red



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



**Item No.: 2002-649**  
TOPJOB®S L-type spacer module; modu-  
lar; e.g., for bridging commoned terminal  
blocks; gray



**Item No.: 2002-611**  
TOPJOB®S L-type test plug module; mo-  
dular; 1-pole; 2,50 mm²; gray

1.2.10 Tool

1.2.10.1 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

Installation



Conductor termination



Insert solid conductors via push-in termination.



Insert ferruled conductors via push-in termination.



Insert fine-stranded conductors via operating tool.



Remove all conductors via operating tool.

Commoning



Insert a delta jumper and push down until it hits the backstop (example shows terminal blocks with push-buttons).



Marking strip (2009-110) inserted in the marking slot with jumper symbols of the inserted jumper (delta jumper) (example shows terminal blocks with push-buttons)



Insert a star point jumper and push down until it hits the backstop (example shows terminal blocks with push-buttons).



Marking strip (2009-110) inserted in the marking slot with jumper symbols of the inserted jumper (2000-405/011-000 Delta Jumper) (example shows terminal blocks with push-buttons)

## Testing



Testing with a 2 mm Ø 210-136 Test Plug  
(max. 42 V).

## Marking



Snapping a marking strip into the marker  
slot.



Snapping a marking strip (2009-110) into  
a marker slot.

