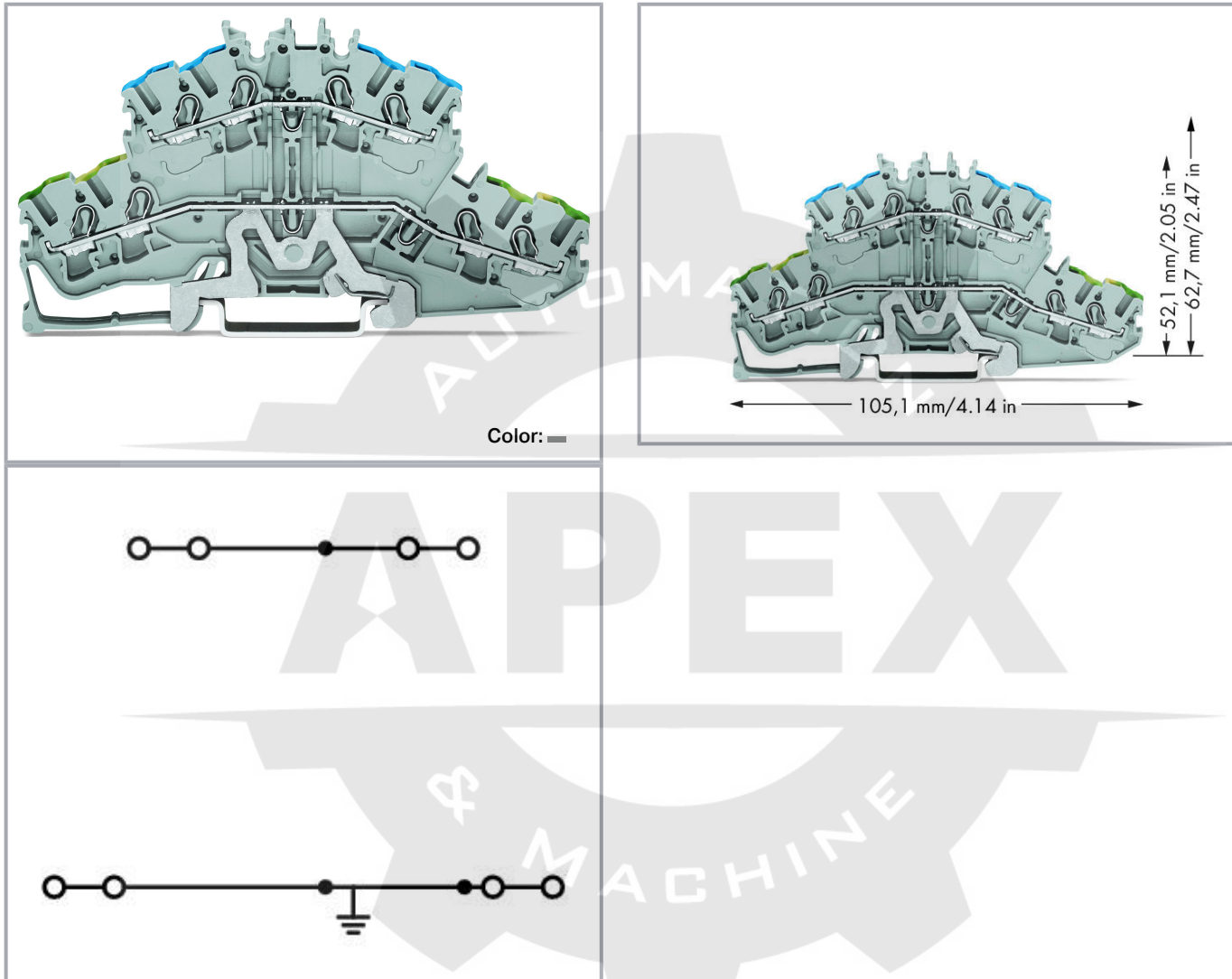


## Data sheet | Item number: 2002-2417

TOPJOB®S double-deck terminal block; ground/through (PE/N); rail mount; 4-conductor; 5.2 mm wide; gray

[www.wago.com/2002-2417](http://www.wago.com/2002-2417)



### Data

#### Electrical data

#### IEC Approvals

Ratings per

IEC/EN 60947-7-1

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

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|                             |                                                                      |
|-----------------------------|----------------------------------------------------------------------|
| Rated voltage (III / 3)     | 800 V                                                                |
| Rated surge voltage (III/3) | 8 kV                                                                 |
| Rated current               | 24 A                                                                 |
| Rated current 2             | 28 A                                                                 |
| Legend (ratings)            | (III / 3) $\triangleq$ Overvoltage category III / Pollution degree 3 |

## UL Approvals

|                                |         |
|--------------------------------|---------|
| Approvals per                  | UL 1059 |
| Rated voltage UL (Use Group B) | 300 V   |
| Rated current UL (Use Group B) | 20 A    |
| Rated voltage UL (Use Group C) | 300 V   |
| Rated current UL (Use Group C) | 20 A    |
| Rated voltage UL (Use Group D) | 600 V   |
| Rated current UL (Use Group D) | 5 A     |

## CSA Approvals

|                                 |              |
|---------------------------------|--------------|
| Approvals per                   | C22.2 No 158 |
| Rated voltage CSA (Use Group B) | 600 V        |
| Rated current CSA (Use Group B) | 20 A         |
| Rated voltage CSA (Use Group C) | 600 V        |
| Rated current CSA (Use Group C) | 20 A         |
| Rated voltage CSA (Use Group D) | 600 V        |
| Rated current CSA (Use Group D) | 20 A         |

## Ex information

|                                     |                                                               |
|-------------------------------------|---------------------------------------------------------------|
| Ratings per                         | ATEX: PTB 03 ATEX 1162 U / IECEx: PTB 03.0004U (Ex eb IIC Gb) |
| Rated voltage EN (Ex e II)          | 550 V                                                         |
| Rated current (Ex e II)             | 21 A                                                          |
| Rated current (Ex e II) with jumper | 17 A                                                          |
| Note on rated current               | 16 A staggered jumper                                         |

## Connection data

|                             |                           |
|-----------------------------|---------------------------|
| Connection technology       | Push-in CAGE CLAMP®       |
| Number of connection points | 4                         |
| Actuation type              | Push-in<br>Open Tool Slot |

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

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|                                                            |                                                                                                                                   |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Connectable conductor materials                            | Copper                                                                                                                            |
| Nominal cross-section                                      | 2.5 mm <sup>2</sup>                                                                                                               |
| Solid conductor                                            | 0.25 ... 4 mm <sup>2</sup> / 22 ... 12 AWG                                                                                        |
| Solid conductor; push-in termination                       | 0.75 ... 4 mm <sup>2</sup> / 18 ... 12 AWG                                                                                        |
| Fine-stranded conductor                                    | 0.25 ... 4 mm <sup>2</sup> / 22 ... 12 AWG                                                                                        |
| Fine-stranded conductor; with insulated ferrule            | 0.25 ... 2.5 mm <sup>2</sup> / 22 ... 14 AWG                                                                                      |
| Fine-stranded conductor; with ferrule; push-in termination | 1 ... 2.5 mm <sup>2</sup> / 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 inch                                                                                                 |
| Number of connection points 2                              | 4                                                                                                                                 |
| Total number of connection points                          | 8                                                                                                                                 |
| Total number of potentials                                 | 2                                                                                                                                 |
| Number of levels                                           | 2                                                                                                                                 |
| Wiring direction                                           | Front-entry wiring                                                                                                                |

### Physical data

|                                   |                       |
|-----------------------------------|-----------------------|
| Width                             | 5.2 mm / 0.205 inch   |
| Height                            | 105.1 mm / 4.138 inch |
| Depth from upper edge of DIN-rail | 52.1 mm / 2.051 inch  |

### Mechanical data

|                   |                     |
|-------------------|---------------------|
| Potential marking | PE/N                |
| Design            | horizontal type     |
| Mounting type     | DIN-35 rail         |
| Marking level     | Center/side marking |

### Material data

|                             |                  |
|-----------------------------|------------------|
| Color                       | gray             |
| Insulation material         | Polyamide (PA66) |
| Flammability class per UL94 | V0               |
| Fire load                   | 0.284 MJ         |
| Weight                      | 18.6 g           |

### Commercial data

|                |               |
|----------------|---------------|
| Product Group  | 22 (TOPJOB S) |
| Packaging type | BOX           |

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

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|                       |               |
|-----------------------|---------------|
| Country of origin     | CN            |
| GTIN                  | 4050821144847 |
| Customs tariff number | 8536904000    |

## Approvals / Certificates

### Ex-Approvals

| Logo                                                                             | Approval                               | Additional Approval Text | Certificate name                |
|----------------------------------------------------------------------------------|----------------------------------------|--------------------------|---------------------------------|
|  | AEx<br>Underwriters Laboratories Inc.  | UL 60079                 | 20190704-E185892                |
|  | EAC<br>Brjansker Zertifizierungsstelle | TP TC 012/2011           | RU C-DE.<br>AM02.B.<br>00127/19 |

### Country specific Approvals

| Logo                                                                               | Approval                              | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|---------------------------------------|--------------------------|------------------|
|   | CCA<br>DEKRA Certification B.V.       | EN 60947                 | NTR NL<br>7730   |
|  | CCA<br>DEKRA Certification B.V.       | C22.2 No. 158            | 1536069          |
|  | KEMA/KEUR<br>DEKRA Certification B.V. | EN 60947                 | 71-<br>107687    |

### Ship Approvals

| Logo                                                                               | Approval                           | Additional Approval Text | Certificate name         |
|------------------------------------------------------------------------------------|------------------------------------|--------------------------|--------------------------|
|  | ABS<br>American Bureau of Shipping | EN 60947                 | 20-<br>HG1941090-<br>PDA |
|                                                                                    | BV<br>Bureau Veritas S.A.          | EN 60947                 | 38586/A0 BV              |

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DNV GL

Det Norske Veritas, Germanischer Lloyd

TAE00001V2

## Required accessories

### End plates

|                                                                                 |                                                                                                                   |                                                                    |
|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
|  | Item no.: 2002-2491<br>TOPJOB®S end/intermediate plate; for 2002-24xx series terminal blocks; 0.8 mm wide; gray   | <a href="http://www.wago.com/2002-2491">www.wago.com/2002-2491</a> |
|  | Item no.: 2002-2492<br>TOPJOB®S end/intermediate plate; for 2002-24xx series terminal blocks; 0.8 mm wide; orange | <a href="http://www.wago.com/2002-2492">www.wago.com/2002-2492</a> |

## Optional accessories

### Marking accessories

|                                                                                   |                                                                                                                                       |                                                                                  |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|   | Item no.: 2002-121<br>Adaptor; gray                                                                                                   | <a href="http://www.wago.com/2002-121">www.wago.com/2002-121</a>                 |
|  | Item no.: 2002-161<br>Adaptor; gray                                                                                                   | <a href="http://www.wago.com/2002-161">www.wago.com/2002-161</a>                 |
|  | Item no.: 2009-110<br>Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white                         | <a href="http://www.wago.com/2009-110">www.wago.com/2009-110</a>                 |
|  | Item no.: 2009-115<br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white          | <a href="http://www.wago.com/2009-115">www.wago.com/2009-115</a>                 |
|  | Item no.: 2009-115/000-002<br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow | <a href="http://www.wago.com/2009-115/000-002">www.wago.com/2009-115/000-002</a> |
|  | Item no.: 2009-115/000-005<br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red    | <a href="http://www.wago.com/2009-115/000-005">www.wago.com/2009-115/000-005</a> |
|  | Item no.: 2009-115/000-006<br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue   | <a href="http://www.wago.com/2009-115/000-006">www.wago.com/2009-115/000-006</a> |
|  | Item no.: 2009-115/000-007<br>WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray   | <a href="http://www.wago.com/2009-115/000-007">www.wago.com/2009-115/000-007</a> |

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|                                                                                    |                                                                                                                                                   |                                                                                  |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| *                                                                                  | <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      | <a href="http://www.wago.com/2009-115/000-012">www.wago.com/2009-115/000-012</a> |
| *                                                                                  | <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 | <a href="http://www.wago.com/2009-115/000-017">www.wago.com/2009-115/000-017</a> |
| *                                                                                  | <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       | <a href="http://www.wago.com/2009-115/000-023">www.wago.com/2009-115/000-023</a> |
| *                                                                                  | <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      | <a href="http://www.wago.com/2009-115/000-024">www.wago.com/2009-115/000-024</a> |
| /                                                                                  | <b>Item no.: 2009-145</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white          | <a href="http://www.wago.com/2009-145">www.wago.com/2009-145</a>                 |
| /                                                                                  | <b>Item no.: 2009-145/000-002</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow | <a href="http://www.wago.com/2009-145/000-002">www.wago.com/2009-145/000-002</a> |
| /                                                                                  | <b>Item no.: 2009-145/000-005</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red    | <a href="http://www.wago.com/2009-145/000-005">www.wago.com/2009-145/000-005</a> |
| /                                                                                  | <b>Item no.: 2009-145/000-006</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue   | <a href="http://www.wago.com/2009-145/000-006">www.wago.com/2009-145/000-006</a> |
| /                                                                                  | <b>Item no.: 2009-145/000-007</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray   | <a href="http://www.wago.com/2009-145/000-007">www.wago.com/2009-145/000-007</a> |
| /                                                                                  | <b>Item no.: 2009-145/000-012</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange | <a href="http://www.wago.com/2009-145/000-012">www.wago.com/2009-145/000-012</a> |
| /                                                                                  | <b>Item no.: 2009-145/000-023</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green  | <a href="http://www.wago.com/2009-145/000-023">www.wago.com/2009-145/000-023</a> |
| /                                                                                  | <b>Item no.: 2009-145/000-024</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet | <a href="http://www.wago.com/2009-145/000-024">www.wago.com/2009-145/000-024</a> |
|  | <b>Item no.: 2009-191</b><br>Group marker carrier                                                                                                 | <a href="http://www.wago.com/2009-191">www.wago.com/2009-191</a>                 |
|  | <b>Item no.: 2009-192</b><br>Group marker carrier                                                                                                 | <a href="http://www.wago.com/2009-192">www.wago.com/2009-192</a>                 |

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

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**Item no.: 2009-193**  
Group marker carrier

[www.wago.com/2009-193](http://www.wago.com/2009-193)



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

[www.wago.com/2009-198](http://www.wago.com/2009-198)



**Item no.: 248-501**  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white

[www.wago.com/248-501](http://www.wago.com/248-501)



**Item no.: 248-501/000-002**  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow

[www.wago.com/248-501/000-002](http://www.wago.com/248-501/000-002)



**Item no.: 248-501/000-005**  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red

[www.wago.com/248-501/000-005](http://www.wago.com/248-501/000-005)



**Item no.: 248-501/000-006**  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue

[www.wago.com/248-501/000-006](http://www.wago.com/248-501/000-006)



**Item no.: 248-501/000-007**  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray

[www.wago.com/248-501/000-007](http://www.wago.com/248-501/000-007)



**Item no.: 248-501/000-012**  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange

[www.wago.com/248-501/000-012](http://www.wago.com/248-501/000-012)



**Item no.: 248-501/000-017**  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green

[www.wago.com/248-501/000-017](http://www.wago.com/248-501/000-017)



**Item no.: 248-501/000-023**  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green

[www.wago.com/248-501/000-023](http://www.wago.com/248-501/000-023)



**Item no.: 248-501/000-024**  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet

[www.wago.com/248-501/000-024](http://www.wago.com/248-501/000-024)



**Item no.: 793-501**  
WMB marking card; as card; not stretchable; plain; snap-on type; white

[www.wago.com/793-501](http://www.wago.com/793-501)



**Item no.: 793-501/000-002**  
WMB marking card; as card; not stretchable; plain; snap-on type; yellow

[www.wago.com/793-501/000-002](http://www.wago.com/793-501/000-002)



**Item no.: 793-501/000-005**  
WMB marking card; as card; not stretchable; plain; snap-on type; red

[www.wago.com/793-501/000-005](http://www.wago.com/793-501/000-005)

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|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|    | <b>Item no.: 793-501/000-006</b><br>WMB marking card; as card; not stretchable; plain; snap-on type; blue                                                 | <a href="http://www.wago.com/793-501/000-006">www.wago.com/793-501/000-006</a>   |
|    | <b>Item no.: 793-501/000-007</b><br>WMB marking card; as card; not stretchable; plain; snap-on type; gray                                                 | <a href="http://www.wago.com/793-501/000-007">www.wago.com/793-501/000-007</a>   |
|    | <b>Item no.: 793-501/000-012</b><br>WMB marking card; as card; not stretchable; plain; snap-on type; orange                                               | <a href="http://www.wago.com/793-501/000-012">www.wago.com/793-501/000-012</a>   |
|    | <b>Item no.: 793-501/000-017</b><br>WMB marking card; as card; not stretchable; plain; snap-on type; light green                                          | <a href="http://www.wago.com/793-501/000-017">www.wago.com/793-501/000-017</a>   |
|    | <b>Item no.: 793-501/000-023</b><br>WMB marking card; as card; not stretchable; plain; snap-on type; green                                                | <a href="http://www.wago.com/793-501/000-023">www.wago.com/793-501/000-023</a>   |
|    | <b>Item no.: 793-501/000-024</b><br>WMB marking card; as card; not stretchable; plain; snap-on type; violet                                               | <a href="http://www.wago.com/793-501/000-024">www.wago.com/793-501/000-024</a>   |
|    | <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          | <a href="http://www.wago.com/793-5501">www.wago.com/793-5501</a>                 |
|  | <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 | <a href="http://www.wago.com/793-5501/000-002">www.wago.com/793-5501/000-002</a> |
|  | <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    | <a href="http://www.wago.com/793-5501/000-005">www.wago.com/793-5501/000-005</a> |
|  | <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   | <a href="http://www.wago.com/793-5501/000-006">www.wago.com/793-5501/000-006</a> |
|  | <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   | <a href="http://www.wago.com/793-5501/000-007">www.wago.com/793-5501/000-007</a> |
|  | <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 | <a href="http://www.wago.com/793-5501/000-012">www.wago.com/793-5501/000-012</a> |
|  | <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  | <a href="http://www.wago.com/793-5501/000-014">www.wago.com/793-5501/000-014</a> |

**Item no.: 793-5501/000-017**

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|                                                                                 |                                                                                                                     |                                                                                  |
|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|  | WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; green | <a href="http://www.wago.com/793-5501/000-017">www.wago.com/793-5501/000-017</a> |
|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|

|                                                                                 |                                                                                                                                                                |                                                                                  |
|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|  | <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; light green | <a href="http://www.wago.com/793-5501/000-023">www.wago.com/793-5501/000-023</a> |
|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|

|                                                                                 |                                                                                                                                                           |                                                                                  |
|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|  | <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 | <a href="http://www.wago.com/793-5501/000-024">www.wago.com/793-5501/000-024</a> |
|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|

#### Testing accessories

|                                                                                 |                                                                                                                  |                                                                  |
|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
|  | <b>Item no.: 2002-611</b><br>TOPJOB® S modular connector; for 2002 series; for conductor entry way; 1-pole; gray | <a href="http://www.wago.com/2002-611">www.wago.com/2002-611</a> |
|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|

|                                                                                 |                                                                                       |                                                                  |
|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------|
|  | <b>Item no.: 2002-649</b><br>TOPJOB® S spacer module; for 2002-611; 5.2 mm wide; gray | <a href="http://www.wago.com/2002-649">www.wago.com/2002-649</a> |
|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------------|

|                                                                                 |                                                                                                                             |                                                                  |
|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
|  | <b>Item no.: 2009-174</b><br>TOPJOB® S test plug adapter; for test plug 4 mm Ø; for testing TOPJOB® S terminal blocks; gray | <a href="http://www.wago.com/2009-174">www.wago.com/2009-174</a> |
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|  | <b>Item no.: 2009-182</b><br>TOPJOB® S testing tap; tool-free; 12 AWG max; for testing TOPJOB® S terminal blocks; gray | <a href="http://www.wago.com/2009-182">www.wago.com/2009-182</a> |
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#### Carrier rail

|                                                                                  |                                                                                                                                                      |                                                                |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <b>Item no.: 210-112</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm; silver-colored | <a href="http://www.wago.com/210-112">www.wago.com/210-112</a> |
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|  | <b>Item no.: 210-113</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored | <a href="http://www.wago.com/210-113">www.wago.com/210-113</a> |
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|  | <b>Item no.: 210-114</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored | <a href="http://www.wago.com/210-114">www.wago.com/210-114</a> |
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|  | <b>Item no.: 210-115</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm; silver-colored | <a href="http://www.wago.com/210-115">www.wago.com/210-115</a> |
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|  | <b>Item no.: 210-118</b><br>Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored | <a href="http://www.wago.com/210-118">www.wago.com/210-118</a> |
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|  | <b>Item no.: 210-196</b><br>Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored | <a href="http://www.wago.com/210-196">www.wago.com/210-196</a> |
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|  | <b>Item no.: 210-197</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored | <a href="http://www.wago.com/210-197">www.wago.com/210-197</a> |
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|  | <b>Item no.: 210-198</b><br>Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored | <a href="http://www.wago.com/210-198">www.wago.com/210-198</a> |
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|  | <b>Item no.: 210-504</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; silver- | <a href="http://www.wago.com/210-504">www.wago.com/210-504</a> |
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Subject to changes. Please also observe the further product documentation!

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|                                                                                   | colored                                                                                                                                                                                      |                                                                                  |
|    | <b>Item no.: 210-505</b><br>Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715; silver-colored                                              | <a href="http://www.wago.com/210-505">www.wago.com/210-505</a>                   |
|    | <b>Item no.: 210-506</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715; silver-colored                                               | <a href="http://www.wago.com/210-506">www.wago.com/210-506</a>                   |
|    | <b>Item no.: 210-508</b><br>Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-colored                                                 | <a href="http://www.wago.com/210-508">www.wago.com/210-508</a>                   |
| <b>Insulations stops</b>                                                          |                                                                                                                                                                                              |                                                                                  |
|    | <b>Item no.: 2002-171</b><br>TOPJOB®S insulation stop; for 2002 series terminal blocks; 0.25 - 0.5 mm <sup>2</sup> ; 5/strip; light gray                                                     | <a href="http://www.wago.com/2002-171">www.wago.com/2002-171</a>                 |
|    | <b>Item no.: 2002-172</b><br>TOPJOB®S insulation stop; for 2002 series terminal blocks; 0.75 - 1.0 mm <sup>2</sup> ; 5/strip; dark gray                                                      | <a href="http://www.wago.com/2002-172">www.wago.com/2002-172</a>                 |
| <b>Protective warning marker</b>                                                  |                                                                                                                                                                                              |                                                                                  |
|    | <b>Item no.: 2002-115</b><br>TOPJOB®S protective warning marker; with high-voltage symbol, for 2002 series terminal blocks; for 5 terminal blocks                                            | <a href="http://www.wago.com/2002-115">www.wago.com/2002-115</a>                 |
| <b>Push-in type wire jumper</b>                                                   |                                                                                                                                                                                              |                                                                                  |
|    | <b>Item no.: 2009-412</b><br>TOPJOB®S wire jumper; insulated; 60 mm long; conductor cross section 1.5 mm <sup>2</sup> ; suitable for 2001, 2002, 2003 and 2022 series terminal blocks; gray  | <a href="http://www.wago.com/2009-412">www.wago.com/2009-412</a>                 |
|  | <b>Item no.: 2009-414</b><br>TOPJOB®S wire jumper; insulated; 110 mm long; conductor cross section 1.5 mm <sup>2</sup> ; suitable for 2001, 2002, 2003 and 2022 series terminal blocks; gray | <a href="http://www.wago.com/2009-414">www.wago.com/2009-414</a>                 |
|  | <b>Item no.: 2009-414/000-005</b><br>Push-in type wire jumper; 1.5 mm <sup>2</sup> ; insulated; 110 mm long; black                                                                           | <a href="http://www.wago.com/2009-414/000-005">www.wago.com/2009-414/000-005</a> |
|  | <b>Item no.: 2009-414/000-006</b><br>Push-in type wire jumper; insulated; 110 mm long; black                                                                                                 | <a href="http://www.wago.com/2009-414/000-006">www.wago.com/2009-414/000-006</a> |
|  | <b>Item no.: 2009-416</b><br>TOPJOB®S wire jumper; insulated; 250 mm long; conductor cross section 1.5 mm <sup>2</sup> ; suitable for 2001, 2002, 2003 and 2022 series terminal blocks; gray | <a href="http://www.wago.com/2009-416">www.wago.com/2009-416</a>                 |
| <b>End plates</b>                                                                 |                                                                                                                                                                                              |                                                                                  |
|  | <b>Item no.: 209-192</b><br>Separator for Ex e/Ex i applications; 3 mm thick; 125.5 mm wide; orange                                                                                          | <a href="http://www.wago.com/209-192">www.wago.com/209-192</a>                   |
| <b>Ferrules</b>                                                                   |                                                                                                                                                                                              |                                                                                  |
|  | <b>Item no.: 216-241</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white   | <a href="http://www.wago.com/216-241">www.wago.com/216-241</a>                   |
|                                                                                   | <b>Item no.: 216-242</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight                                                  | <a href="http://www.wago.com/216-242">www.wago.com/216-242</a>                   |

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

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|    | crimped; acc. to DIN 46228, Part 4/09.90; gray                                                                                                                                             |                                                                                  |
|    | <b>Item no.: 216-243</b><br>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     | <a href="http://www.wago.com/216-243">www.wago.com/216-243</a>                   |
|    | <b>Item no.: 216-244</b><br>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 | <a href="http://www.wago.com/216-244">www.wago.com/216-244</a>                   |
|    | <b>Item no.: 216-246</b><br>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  | <a href="http://www.wago.com/216-246">www.wago.com/216-246</a>                   |
|    | <b>Item no.: 216-262</b><br>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 | <a href="http://www.wago.com/216-262">www.wago.com/216-262</a>                   |
|    | <b>Item no.: 216-263</b><br>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     | <a href="http://www.wago.com/216-263">www.wago.com/216-263</a>                   |
|    | <b>Item no.: 216-264</b><br>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 | <a href="http://www.wago.com/216-264">www.wago.com/216-264</a>                   |
|    | <b>Item no.: 216-266</b><br>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  | <a href="http://www.wago.com/216-266">www.wago.com/216-266</a>                   |
| <b>Jumpers</b>                                                                    |                                                                                                                                                                                            |                                                                                  |
|  | <b>Item no.: 2002-400</b><br>TOPJOB®S endless jumper; for 2002 series; insulated; 2-way; light-gray                                                                                        | <a href="http://www.wago.com/2002-400">www.wago.com/2002-400</a>                 |
|  | <b>Item no.: 2002-402</b><br>TOPJOB®S jumper; for 2002 series; insulated; 2-way; light-gray                                                                                                | <a href="http://www.wago.com/2002-402">www.wago.com/2002-402</a>                 |
|  | <b>Item no.: 2002-402/000-005</b><br>TOPJOB®S jumper; for 2002 series; insulated; 2-way; red                                                                                               | <a href="http://www.wago.com/2002-402/000-005">www.wago.com/2002-402/000-005</a> |
|  | <b>Item no.: 2002-402/000-006</b><br>TOPJOB®S jumper; for 2002 series; insulated; 2-way; blue                                                                                              | <a href="http://www.wago.com/2002-402/000-006">www.wago.com/2002-402/000-006</a> |
|  | <b>Item no.: 2002-403</b><br>TOPJOB®S jumper; for 2002 series; insulated; 3-way; light-gray                                                                                                | <a href="http://www.wago.com/2002-403">www.wago.com/2002-403</a>                 |
|  | <b>Item no.: 2002-403/000-005</b><br>TOPJOB®S jumper; for 2002 series; insulated; 3-way; red                                                                                               | <a href="http://www.wago.com/2002-403/000-005">www.wago.com/2002-403/000-005</a> |
|  | <b>Item no.: 2002-403/000-006</b><br>TOPJOB®S jumper; for 2002 series; insulated; 3-way; blue                                                                                              | <a href="http://www.wago.com/2002-403/000-006">www.wago.com/2002-403/000-006</a> |

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**Item no.: 2002-404**  
TOPJOB®S jumper; for 2002 series; insulated; 4-way; light-gray

[www.wago.com/2002-404](http://www.wago.com/2002-404)



**Item no.: 2002-404/000-005**  
TOPJOB®S jumper; for 2002 series; insulated; 4-way; red

[www.wago.com/2002-404/000-005](http://www.wago.com/2002-404/000-005)



**Item no.: 2002-404/000-006**  
TOPJOB®S jumper; for 2002 series; insulated; 4-way; blue

[www.wago.com/2002-404/000-006](http://www.wago.com/2002-404/000-006)



**Item no.: 2002-405**  
TOPJOB®S jumper; for 2002 series; insulated; 5-way; light-gray

[www.wago.com/2002-405](http://www.wago.com/2002-405)



**Item no.: 2002-405/000-005**  
TOPJOB®S jumper; for 2002 series; insulated; 5-way; red

[www.wago.com/2002-405/000-005](http://www.wago.com/2002-405/000-005)



**Item no.: 2002-405/000-006**  
TOPJOB®S jumper; for 2002 series; insulated; 5-way; blue

[www.wago.com/2002-405/000-006](http://www.wago.com/2002-405/000-006)



**Item no.: 2002-405/011-000**  
TOPJOB®S jumper; Wye configuration; for 2002 series; insulated; 3-way (1-3-5); light-gray

[www.wago.com/2002-405/011-000](http://www.wago.com/2002-405/011-000)



**Item no.: 2002-406**  
TOPJOB®S jumper; for 2002 series; insulated; 6-way; light-gray

[www.wago.com/2002-406](http://www.wago.com/2002-406)



**Item no.: 2002-406/000-005**  
TOPJOB®S jumper; for 2002 series; insulated; 6-way; red

[www.wago.com/2002-406/000-005](http://www.wago.com/2002-406/000-005)



**Item no.: 2002-406/000-006**  
TOPJOB®S jumper; for 2002 series; insulated; 6-way; blue

[www.wago.com/2002-406/000-006](http://www.wago.com/2002-406/000-006)



**Item no.: 2002-406/020-000**  
TOPJOB®S jumper; Delta configuration; for 2002 series; insulated; 6-way (1-2, 3-4, 5-6); light-gray

[www.wago.com/2002-406/020-000](http://www.wago.com/2002-406/020-000)



**Item no.: 2002-407**  
TOPJOB®S jumper; for 2002 series; insulated; 7-way; light-gray

[www.wago.com/2002-407](http://www.wago.com/2002-407)



**Item no.: 2002-407/000-005**  
TOPJOB®S jumper; for 2002 series; insulated; 7-way; red

[www.wago.com/2002-407/000-005](http://www.wago.com/2002-407/000-005)



**Item no.: 2002-407/000-006**  
TOPJOB®S jumper; for 2002 series; insulated; 7-way; blue

[www.wago.com/2002-407/000-006](http://www.wago.com/2002-407/000-006)

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Do you have any questions about our products?  
We are always happy to take your call at (262) 255-6222 or 1 800-DIN-RAIL.



**Item no.: 2002-408**  
TOPJOB®S jumper; for 2002 series; insulated; 8-way; light-gray

[www.wago.com/2002-408](http://www.wago.com/2002-408)



**Item no.: 2002-408/000-005**  
TOPJOB®S jumper; for 2002 series; insulated; 8-way; red

[www.wago.com/2002-408/000-005](http://www.wago.com/2002-408/000-005)



**Item no.: 2002-408/000-006**  
TOPJOB®S jumper; for 2002 series; insulated; 8-way; blue

[www.wago.com/2002-408/000-006](http://www.wago.com/2002-408/000-006)



**Item no.: 2002-409**  
TOPJOB®S jumper; for 2002 series; insulated; 9-way; light-gray

[www.wago.com/2002-409](http://www.wago.com/2002-409)



**Item no.: 2002-409/000-005**  
TOPJOB®S jumper; for 2002 series; insulated; 9-way; red

[www.wago.com/2002-409/000-005](http://www.wago.com/2002-409/000-005)



**Item no.: 2002-409/000-006**  
TOPJOB®S jumper; for 2002 series; insulated; 9-way; blue

[www.wago.com/2002-409/000-006](http://www.wago.com/2002-409/000-006)



**Item no.: 2002-410**  
TOPJOB®S jumper; for 2002 series; insulated; 10-way; light-gray

[www.wago.com/2002-410](http://www.wago.com/2002-410)



**Item no.: 2002-410/000-005**  
TOPJOB®S jumper; for 2002 series; insulated; 10-way; red

[www.wago.com/2002-410/000-005](http://www.wago.com/2002-410/000-005)



**Item no.: 2002-410/000-006**  
TOPJOB®S jumper; for 2002 series; insulated; 10-way; blue

[www.wago.com/2002-410/000-006](http://www.wago.com/2002-410/000-006)



**Item no.: 2002-423**  
TOPJOB®S endless jumper; for 2002 series; insulated; 2-way (1-3); light-gray

[www.wago.com/2002-423](http://www.wago.com/2002-423)



**Item no.: 2002-423/000-005**  
TOPJOB®S endless jumper; for 2002 series; insulated; 2-way (1-3); red

[www.wago.com/2002-423/000-005](http://www.wago.com/2002-423/000-005)



**Item no.: 2002-423/000-006**  
TOPJOB®S endless jumper; for 2002 series; insulated; 2-way (1-3); blue

[www.wago.com/2002-423/000-006](http://www.wago.com/2002-423/000-006)



**Item no.: 2002-433**  
TOPJOB®S jumper; for 2002 series; insulated; 2-way (1-3); light-gray

[www.wago.com/2002-433](http://www.wago.com/2002-433)



**Item no.: 2002-434**  
TOPJOB®S jumper; for 2002 series; insulated; 2-way (1-4); light-gray

[www.wago.com/2002-434](http://www.wago.com/2002-434)



**Item no.: 2002-435**  
TOPJOB®S jumper; for 2002 series; insulated; 2-way (1-5); light-gray

[www.wago.com/2002-435](http://www.wago.com/2002-435)

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



**Item no.: 2002-436**  
TOPJOB®S jumper; for 2002 series; insulated; 2-way (1-6); light-gray

[www.wago.com/2002-436](http://www.wago.com/2002-436)



**Item no.: 2002-437**  
TOPJOB®S jumper; for 2002 series; insulated; 2-way (1-7); light-gray

[www.wago.com/2002-437](http://www.wago.com/2002-437)



**Item no.: 2002-438**  
TOPJOB®S jumper; for 2002 series; insulated; 2-way (1-8); light-gray

[www.wago.com/2002-438](http://www.wago.com/2002-438)



**Item no.: 2002-439**  
TOPJOB®S jumper; for 2002 series; insulated; 2-way (1-9); light-gray

[www.wago.com/2002-439](http://www.wago.com/2002-439)



**Item no.: 2002-440**  
TOPJOB®S jumper; for 2002 series; insulated; 2-way (1-10); light-gray

[www.wago.com/2002-440](http://www.wago.com/2002-440)



**Item no.: 2002-472**  
TOPJOB®S staggered jumper; for 2002 and 2003 series; insulated; 2-way; light-gray

[www.wago.com/2002-472](http://www.wago.com/2002-472)



**Item no.: 2002-473**  
TOPJOB®S staggered jumper; for 2002 and 2003 series; insulated; 3-way; light-gray

[www.wago.com/2002-473](http://www.wago.com/2002-473)



**Item no.: 2002-473/011-000**  
TOPJOB®S staggered jumper; for 2002 and 2003 series; 2-way (preconfigured 1-3); light-gray

[www.wago.com/2002-473/011-000](http://www.wago.com/2002-473/011-000)



**Item no.: 2002-474**  
TOPJOB®S staggered jumper; for 2002 and 2003 series; insulated; 4-way; light-gray

[www.wago.com/2002-474](http://www.wago.com/2002-474)



**Item no.: 2002-475**  
TOPJOB®S staggered jumper; for 2002 and 2003 series; insulated; 5-way; light-gray

[www.wago.com/2002-475](http://www.wago.com/2002-475)



**Item no.: 2002-475/011-000**  
TOPJOB®S staggered jumper; for 2002 and 2003 series; insulated; 3-way (preconfigured 1-3-5); light-gray

[www.wago.com/2002-475/011-000](http://www.wago.com/2002-475/011-000)



**Item no.: 2002-476**  
TOPJOB®S staggered jumper; for 2002 and 2003 series; insulated; 6-way; light-gray

[www.wago.com/2002-476](http://www.wago.com/2002-476)



**Item no.: 2002-477**  
TOPJOB®S staggered jumper; for 2002 and 2003 series; insulated; 7-way; light-gray

[www.wago.com/2002-477](http://www.wago.com/2002-477)



**Item no.: 2002-477/011-000**  
TOPJOB®S staggered jumper; for 2002 and 2003 series; insulated; 4-way (preconfigured 1-3-5-7); light-gray

[www.wago.com/2002-477/011-000](http://www.wago.com/2002-477/011-000)



**Item no.: 2002-478**  
TOPJOB®S staggered jumper; for 2002 and 2003 series; insulated; 8-way; light-gray

[www.wago.com/2002-478](http://www.wago.com/2002-478)



**Item no.: 2002-479**  
TOPJOB®S staggered jumper; for 2002 and 2003 series; insulated; 9-way; light-gray

[www.wago.com/2002-479](http://www.wago.com/2002-479)



**Item no.: 2002-479/011-000**  
TOPJOB®S staggered jumper; for 2002 and 2003 series; insulated; 5-way (preconfigured 1-3-5-7-9); light-gray

[www.wago.com/2002-479/011-000](http://www.wago.com/2002-479/011-000)

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|                                                                                    |                                                                                                                                                     |                                                                                  |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|     | <b>Item no.: 2002-480</b><br>TOPJOB®S staggered jumper; for 2002 and 2003 series; insulated; 10-way; light-gray                                     | <a href="http://www.wago.com/2002-480">www.wago.com/2002-480</a>                 |
|     | <b>Item no.: 2002-481</b><br>TOPJOB®S staggered jumper; for 2002 and 2003 series; insulated; 11-way; light-gray                                     | <a href="http://www.wago.com/2002-481">www.wago.com/2002-481</a>                 |
|     | <b>Item no.: 2002-481/011-000</b><br>TOPJOB®S staggered jumper; for 2002 and 2003 series; insulated; 6-way (preconfigured 1-3-5-7-9-11); light-gray | <a href="http://www.wago.com/2002-481/011-000">www.wago.com/2002-481/011-000</a> |
|     | <b>Item no.: 2002-482</b><br>TOPJOB®S staggered jumper; for 2002 and 2003 series; insulated; 12-way; light-gray                                     | <a href="http://www.wago.com/2002-482">www.wago.com/2002-482</a>                 |
|     | <b>Item no.: 2002-492</b><br>TOPJOB®S double-deck vertical jumper; for 2002 series; insulated; double-deck; light-gray                              | <a href="http://www.wago.com/2002-492">www.wago.com/2002-492</a>                 |
|     | <b>Item no.: 2002-492/000-012</b><br>TOPJOB®S double-deck vertical jumper; for 2002 series; insulated; double-deck; orange                          | <a href="http://www.wago.com/2002-492/000-012">www.wago.com/2002-492/000-012</a> |
|     | <b>Item no.: 210-103</b><br>Wire commoning chain; insulated; black                                                                                  | <a href="http://www.wago.com/210-103">www.wago.com/210-103</a>                   |
|     | <b>Item no.: 210-123</b><br>Wire commoning chain; insulated; blue                                                                                   | <a href="http://www.wago.com/210-123">www.wago.com/210-123</a>                   |
| <b>Tools</b>                                                                       |                                                                                                                                                     |                                                                                  |
|  | <b>Item no.: 210-658</b><br>Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; angled; short; multicoloured                     | <a href="http://www.wago.com/210-658">www.wago.com/210-658</a>                   |
|  | <b>Item no.: 210-720</b><br>Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured                                    | <a href="http://www.wago.com/210-720">www.wago.com/210-720</a>                   |

## Downloads

### Documentation

#### Bid Text

|                           |              |                 |          |
|---------------------------|--------------|-----------------|----------|
| 2002-2417<br>docx - Datei | Apr 18, 2019 | docx<br>15.3 kB | Download |
| 2002-2417<br>X81 - Datei  | Apr 23, 2019 | xml<br>4.1 kB   | Download |

#### Additional Information

|                        |             |               |          |
|------------------------|-------------|---------------|----------|
| Technical explanations | Apr 3, 2019 | pdf<br>2.2 MB | Download |
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## CAD files

### CAD data

| 2D/3D Models 2002-2417 | URL | Download |
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### CAE data

|                             |     |          |
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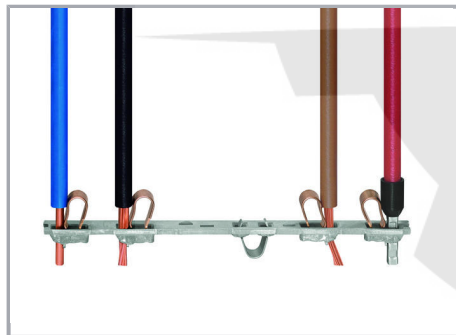
## Environmental Product Compliance

### Compliance Search

|                                                                                                                                                                                                                          |     |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------|
| Environmental Product Compliance 2002-2417                                                                                                                                                                               | URL | Download |
| 4-conductor double deck terminal block; Ground conductor/through terminal block; 2.5 mm <sup>2</sup> ; PE/N; without marker carrier; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm <sup>2</sup> ; gray |     |          |

## Installation Notes

### Conductor termination



All conductor types at a glance

## Product family

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