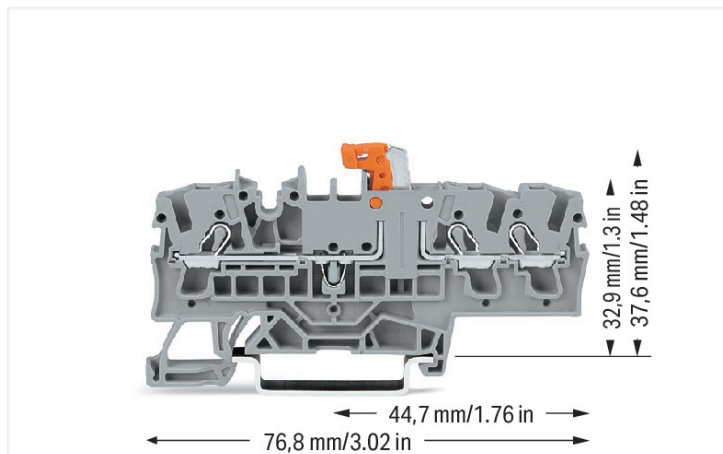


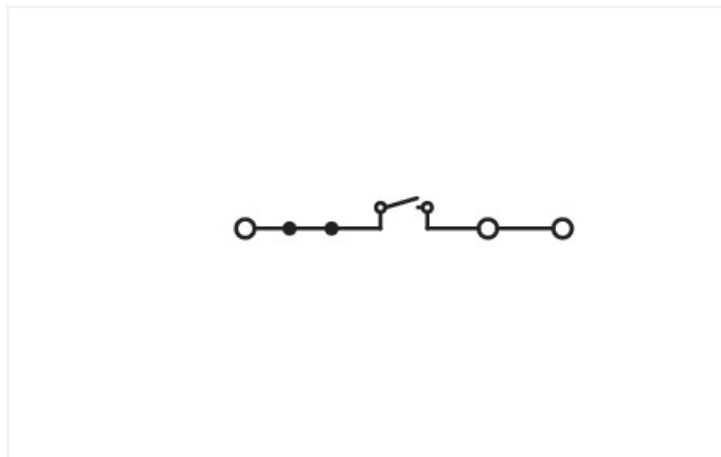
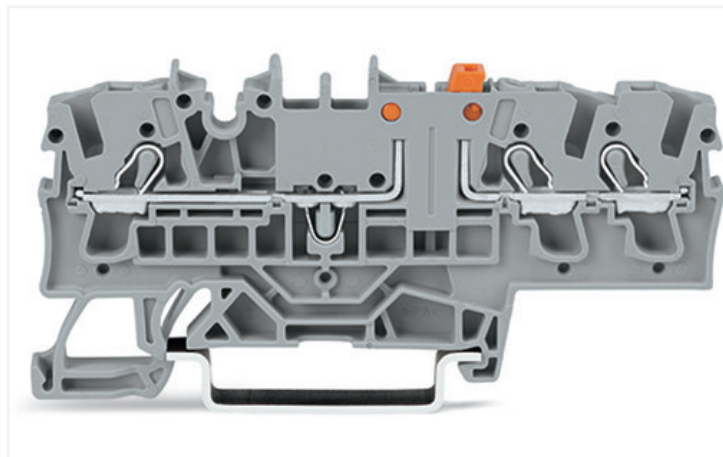
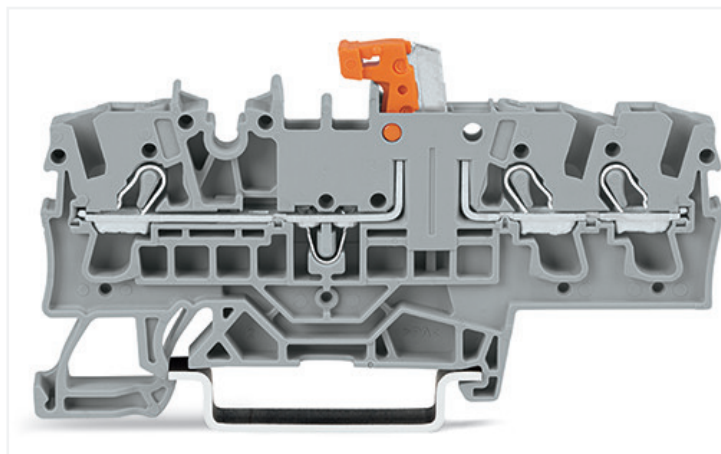
## Data Sheet | Item Number: 2002-1771

3-conductor disconnect/test terminal block; with test option; orange disconnect link; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; Push-in CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray

<https://www.wago.com/2002-1771>



Color: ■ gray



Similar to illustration

### Electrical data

#### Ratings per IEC/EN

Ratings per	IEC/EN 60947-7-1
Nominal voltage (III/3)	400 V
Rated impulse voltage (III/3)	6 kV
Rated current	16 A
Legend (ratings)	(III / 3) Δ Overvoltage category III / Pollution degree 3

#### Ratings per UL 1059

Approvals per	UL 1059
Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	15 A
Rated voltage UL (Use Group C)	300 V
Rated current UL (Use Group C)	15 A

#### Ratings per CSA

Approvals per	CSA 22.2 No 158
Rated voltage CSA (Use Group B)	300 V
Rated current CSA (Use Group B)	15 A
Rated voltage CSA (Use Group C)	300 V
Rated current CSA (Use Group C)	15 A

#### Ex information

Reference hazardous areas	See "Downloads – Documentation – Additional Information: Technical Section; Technical Explanations"
Ratings per	ATEX: KIWA 17 ATEX 0030 U / IECEx: KIWA 17.0014U (Ex ec IIC Gc)
Rated voltage EN (Ex e II)	440 V
Rated current (Ex e II)	17 A

### Power loss

Power loss, per pole (potential)	0.3405 W
Rated current $I_N$ for specified power loss	16 A
Resistance value for specified, current-dependent power loss	0.00133 $\Omega$

### Connection data

Connection points	3
Total number of potentials	2
Number of levels	1
Number of jumper slots	2

### Connection 1

Connection technology	Push-in CAGE CLAMP®
Actuation type	Operating tool
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 inches
Wiring direction	Front-entry wiring

### Physical data

Width	5.2 mm / 0.205 inches
Height	76.8 mm / 3.024 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	gray
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.224 MJ
Weight	8.7 g

### Environmental requirements

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

### Commercial data

Product Group	22 (TOPJOB S)
eCl@ss 10.0	27-14-11-26
eCl@ss 9.0	27-14-11-26
ETIM 8.0	EC000902
ETIM 7.0	EC000902
PU (SPU)	50 pcs
Packaging type	Box
Country of origin	CN
GTIN	4050821707530
Customs tariff number	85365080900

### Approvals / Certificates

#### General approvals



Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947	71-120369
CCA DEKRA Certification B.V.	EN 60947	NTR NL 7892
CSA DEKRA Certification B.V.	C22.2 No. 158	1536069
UL Underwriters Laboratories Inc.	UL 1059	E45172

#### Declarations of conformity and manufacturer's declarations



Approval	Standard	Certificate Name
Railway WAGO GmbH & Co. KG	-	Railway Ready

#### Approvals for marine applications



Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	EN 60947	20-HG1941090-PDA
DNV GL Det Norske Veritas, Ger- manischer Lloyd	-	TAE00001V2

#### Approvals for hazardous areas



Approval	Standard	Certificate Name
AEx Underwriters Laboratories Inc.	UL 60079	E185892 (AEx eb IIC resp. Ex eb IIC)
ATEX KIWA Netherlands B.V.	EN 60079	KIWA 17ATEX0030 U
CCC CNEX	GB/T 3836.3	2020312313000180 (Ex ec IIC Gc)
IECEx KIWA Netherlands B.V.	EN 60079	IECEx KIWA 17.0014U (Ex ec IIC Gc)

### Downloads

#### Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 2002-1771	↓

## Documentation

Additional Information		
Technical Section	pdf 2142.18 KB	↓

Bid Text			
2002-1771	24.04.2019	xml 3.98 KB	↓
2002-1771	23.04.2019	docx 15.35 KB	↓

## CAD/CAE-Data

CAD data	
2D/3D Models 2002-1771	↓

CAE data	
EPLAN Data Portal 2002-1771	↓
WSCAD Universe 2002-1771	↓
ZUKEN Portal 2002-1771	↓

## 1 Compatible Products

### 1.1 Required Accessories

#### 1.1.1 End plate

##### 1.1.1.1 End plate



**Item No.: 2002-1791**  
End and intermediate plate; 1 mm thick; gray

**Item No.: 2002-1792**  
End and intermediate plate; 1 mm thick; orange

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

### 1.2 Optional Accessories

#### 1.2.1 DIN-rail

##### 1.2.1.1 Mounting accessories



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

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

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

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



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

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

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

**Item No.: 210-115**  
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm; silver-colored

1.2.1.1 Mounting accessories



**Item No.: 210-112**

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm; silver-colored

**Item No.: 210-504**

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; silver-colored

**Item No.: 210-113**

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored

**Item No.: 210-505**

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715; silver-colored

1.2.2 Ferrule

1.2.2.1 Ferrule



**Item No.: 216-241**

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



**Item No.: 216-242**

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.: 216-262**

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.: 216-243**

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.: 216-263**

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.: 216-244**

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.: 216-264**

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.: 216-246**

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.: 216-266**

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

1.2.3 Installation

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

1.2.4 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



**Item No.: 2002-406**  
 Jumper; 6-way; insulated; light gray



**Item No.: 2002-406/000-005**  
 Jumper; 6-way; insulated; red



**Item No.: 2002-407/000-006**  
 Jumper; 7-way; insulated; blue



**Item No.: 2002-407**  
 Jumper; 7-way; insulated; light gray



**Item No.: 2002-407/000-005**  
 Jumper; 7-way; insulated; red



**Item No.: 2002-408/000-006**  
 Jumper; 8-way; insulated; blue



**Item No.: 2002-408**  
 Jumper; 8-way; insulated; light gray



**Item No.: 2002-408/000-005**  
 Jumper; 8-way; insulated; red



**Item No.: 2002-409/000-006**  
 Jumper; 9-way; insulated; blue



**Item No.: 2002-409**  
 Jumper; 9-way; insulated; light gray



**Item No.: 2002-409/000-005**  
 Jumper; 9-way; insulated; red



**Item No.: 2002-440**  
 Jumper; from 1 to 10; insulated; light gray



**Item No.: 2002-433**  
 Jumper; from 1 to 3; insulated; light gray



**Item No.: 2002-434**  
 Jumper; from 1 to 4; insulated; light gray



**Item No.: 2002-435**  
 Jumper; from 1 to 5; insulated; light gray



**Item No.: 2002-436**  
 Jumper; from 1 to 6; insulated; light gray



**Item No.: 2002-437**  
 Jumper; from 1 to 7; insulated; light gray



**Item No.: 2002-438**  
 Jumper; from 1 to 8; insulated; light gray



**Item No.: 2002-439**  
 Jumper; from 1 to 9; insulated; light gray



**Item No.: 2002-480**  
 Staggered jumper; 10-way; insulated; light  
 gray



**Item No.: 2002-481**  
 Staggered jumper; 11-way; insulated; light  
 gray



**Item No.: 2002-482**  
 Staggered jumper; 12-way; insulated;  
 light gray



**Item No.: 2002-473/011-000**  
 Staggered jumper; 2-way; from 1 to 3; in-  
 sulated; light gray






**Item No.: 2002-472**  
 Staggered jumper; 2-way; insulated; light  
 gray

1.2.5.1 Jumper

























 <b>Item No.: 2002-473</b> Staggered jumper; 3-way; insulated; light gray	 <b>Item No.: 2002-475/011-000</b> Staggered jumper; 3-way; insulated; light gray	 <b>Item No.: 2002-474</b> Staggered jumper; 4-way; insulated; light gray	 <b>Item No.: 2002-475</b> Staggered jumper; 5-way; insulated; light gray
 <b>Item No.: 2002-476</b> Staggered jumper; 6-way; insulated; light gray	 <b>Item No.: 2002-477</b> Staggered jumper; 7-way; insulated; light gray	 <b>Item No.: 2002-478</b> Staggered jumper; 8-way; insulated; light gray	 <b>Item No.: 2002-479</b> Staggered jumper; 9-way; insulated; light gray
 <b>Item No.: 2002-477/011-000</b> Staggered jumper; insulated; light gray	 <b>Item No.: 2002-479/011-000</b> Staggered jumper; insulated; light gray	 <b>Item No.: 2002-481/011-000</b> Staggered jumper; insulated; light gray	 <b>Item No.: 2002-405/011-000</b> Star point jumper; 3-way; insulated; light gray
 <b>Item No.: 210-103</b> Wire commoning chain; insulated; black	 <b>Item No.: 210-123</b> Wire commoning chain; insulated; blue		

1.2.6 Marking

1.2.6.1 Group marker carrier

 <b>Item No.: 2009-191</b> Group marker carrier; gray	 <b>Item No.: 2009-192</b> Group marker carrier; gray	 <b>Item No.: 2009-193</b> Group marker carrier; gray
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1.2.6.2 Marker

 <b>Item No.: 2009-145/000-006</b> Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue	 <b>Item No.: 2009-145/000-007</b> Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray	 <b>Item No.: 2009-145/000-023</b> Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green	 <b>Item No.: 2009-145/000-012</b> Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange
 <b>Item No.: 2009-145/000-005</b> Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red	 <b>Item No.: 2009-145/000-024</b> Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet	 <b>Item No.: 2009-145</b> Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	 <b>Item No.: 2009-145/000-002</b> Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow
 <b>Item No.: 248-501/000-006</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue	 <b>Item No.: 248-501/000-007</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray	 <b>Item No.: 248-501/000-023</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green	 <b>Item No.: 248-501/000-017</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green
 <b>Item No.: 248-501/000-012</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange	 <b>Item No.: 248-501/000-005</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red	 <b>Item No.: 248-501/000-024</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet	 <b>Item No.: 248-501</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white
 <b>Item No.: 248-501/000-002</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow	 <b>Item No.: 793-5501/000-006</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; blue	 <b>Item No.: 793-5501/000-014</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; brown	 <b>Item No.: 793-5501/000-007</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; gray
 <b>Item No.: 793-5501/000-023</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; green	 <b>Item No.: 793-5501/000-017</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green	 <b>Item No.: 793-5501/000-012</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; orange	 <b>Item No.: 793-5501/000-005</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red

1.2.6.2 Marker



**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.: 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.: 2002-121**

Adaptor; gray

**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 mm<sup>2</sup>; insulated; 110 mm long; black

**Item No.: 2009-414/000-005**

Push-in type wire jumper; 1.5 mm<sup>2</sup>; insulated; 110 mm long; black

**Item No.: 2009-416**

Push-in type wire jumper; 1.5 mm<sup>2</sup>; insulated; 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

 <p><b>Item No.: 2002-560</b> Modular TOPJOB®S connector; modular; for jumper contact slot; 10-pole; 2,50 mm<sup>2</sup>; gray</p>	 <p><b>Item No.: 2002-511</b> Modular TOPJOB®S connector; modular; for jumper contact slot; 1-pole; 2,50 mm<sup>2</sup>; gray</p>	 <p><b>Item No.: 2002-552</b> Modular TOPJOB®S connector; modular; for jumper contact slot; 2-pole; 2,50 mm<sup>2</sup>; gray</p>	 <p><b>Item No.: 2002-553</b> Modular TOPJOB®S connector; modular; for jumper contact slot; 3-pole; 2,50 mm<sup>2</sup>; gray</p>
 <p><b>Item No.: 2002-554</b> Modular TOPJOB®S connector; modular; for jumper contact slot; 4-pole; 2,50 mm<sup>2</sup>; gray</p>	 <p><b>Item No.: 2002-555</b> Modular TOPJOB®S connector; modular; for jumper contact slot; 5-pole; 2,50 mm<sup>2</sup>; gray</p>	 <p><b>Item No.: 2002-556</b> Modular TOPJOB®S connector; modular; for jumper contact slot; 6-pole; 2,50 mm<sup>2</sup>; gray</p>	 <p><b>Item No.: 2002-557</b> Modular TOPJOB®S connector; modular; for jumper contact slot; 7-pole; 2,50 mm<sup>2</sup>; gray</p>
 <p><b>Item No.: 2002-558</b> Modular TOPJOB®S connector; modular; for jumper contact slot; 8-pole; 2,50 mm<sup>2</sup>; gray</p>	 <p><b>Item No.: 2002-559</b> Modular TOPJOB®S connector; modular; for jumper contact slot; 9-pole; 2,50 mm<sup>2</sup>; gray</p>	 <p><b>Item No.: 2002-549</b> Spacer module; modular; e.g., for bridging commoned terminal blocks; gray</p>	 <p><b>Item No.: 2009-174</b> Test plug adapter; for 4 mm Ø test plugs; for testing TOPJOB®S rail-mounted terminal blocks; gray</p>
 <p><b>Item No.: 210-136</b> Test plug; 2 mm Ø; with 500 mm cable; red</p>	 <p><b>Item No.: 2009-182</b> Testing tap; for max. 2.5 mm<sup>2</sup>; tool-free connection for individual test wires 0.08 - 2.5 mm; gray</p>	 <p><b>Item No.: 2002-649</b> TOPJOB®S L-type spacer module; modular; e.g., for bridging commoned terminal blocks; gray</p>	 <p><b>Item No.: 2002-611</b> TOPJOB®S L-type test plug module; modular; 1-pole; 2,50 mm<sup>2</sup>; gray</p>


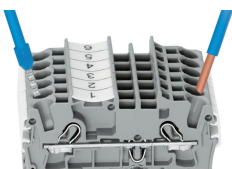
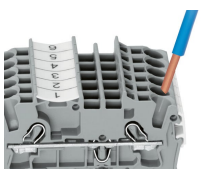
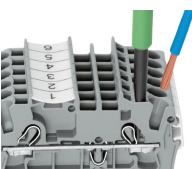
1.2.10 Tool

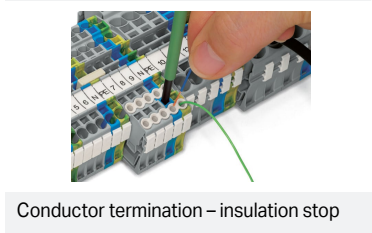
1.2.10.1 Operating tool

 <p><b>Item No.: 210-658</b> Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; angled; short; multicoloured</p>	 <p><b>Item No.: 210-720</b> Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured</p>
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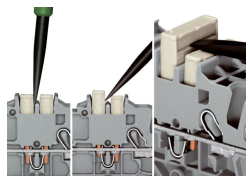
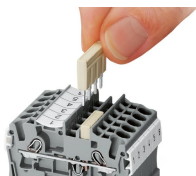
Installation Notes

Conductor termination

 <p>All conductor types at a glance</p>	 <p>Push-in termination of solid and ferruled conductors</p>	 <p>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.</p>	 <p>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.</p>
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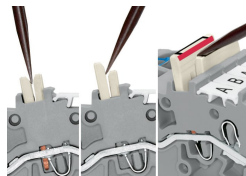
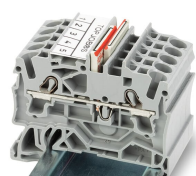
Commoning



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.

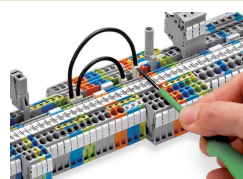
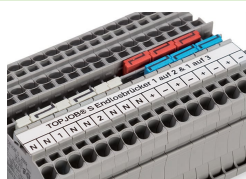
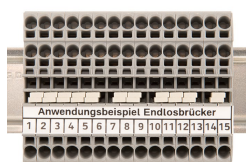
Commoning



Orient the staggered jumpers' red stripes on the inside. Insert the staggered jumper and push down until it hits the backstop.

Removing a staggered jumper: Insert the operating tool between the staggered jumpers, then lift up the jumper.

Commoning

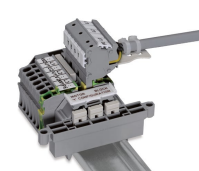
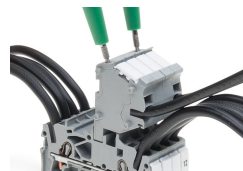
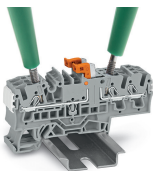


Continuous jumpers (2002 Series) readily connect an endless number of terminal blocks to each other via single jumper slot. Use the second jumper slot for additional commoning or testing.

The 1-to-3 adjacent jumper for continuous commoning enables every other terminal block to be commoned. For example, positive and negative potentials can be accommodated alongside each other.

Push down the wire jumper until fully inserted. Lift the jumper with an operating tool for rewiring.

Testing



Disconnect/test terminal block with pivoting knife disconnect  
Testing with voltage tester.

The modular TOPJOB® S connectors also connect conductors of the same size as the terminal blocks being used.

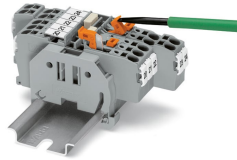
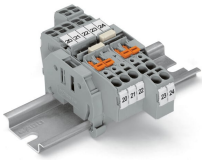
TOPJOB® S Connectors with a 2 mm Ø test socket for testing voltage via 2-pole voltage tester

Rail-mount terminal block assembly for electric motor wiring



Test plug adapter (2009-174, CAT I) for 4 mm Ø plugs – compatible with 2000 to 2016 Series

Testing tap (2009-182) for tool-free connection of test cables up to 2.5 mm² (12 AWG) – compatible with 2000 to 2016 Series

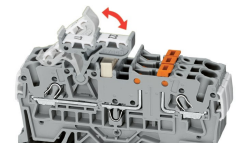
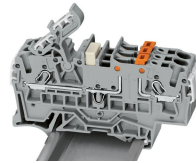
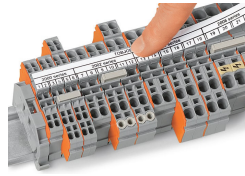
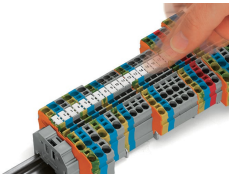


One center and two side marker slots for WMB markers or marking strips  
Dual jumper slots in the same location as other 2002 Series terminal blocks  
Commoning options in front of or behind the knife disconnect, depending on the power supply direction

Disconnect/test terminal block with pivoting knife disconnect  
Opening a knife disconnect.

Disconnect/test terminal block with pivoting knife disconnect  
Closing the knife disconnect.

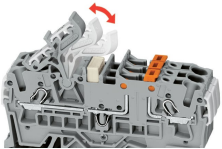
## Marking



Snapping WMB Inline markers into marker slots.

Pivoting double-deck marker carrier (2002-121) and 2-conductor disconnect/test terminal block (2002-1671)

Pivoting double-deck marker carrier (2002-121) and 2-conductor disconnect/test terminal block (2002-1671)



Pivoting double-deck marker carrier (2002-121) and 2-conductor disconnect/test terminal block (2002-1671)