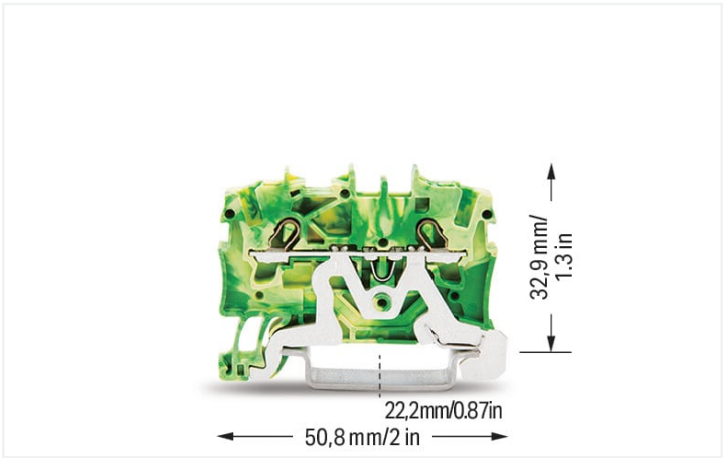
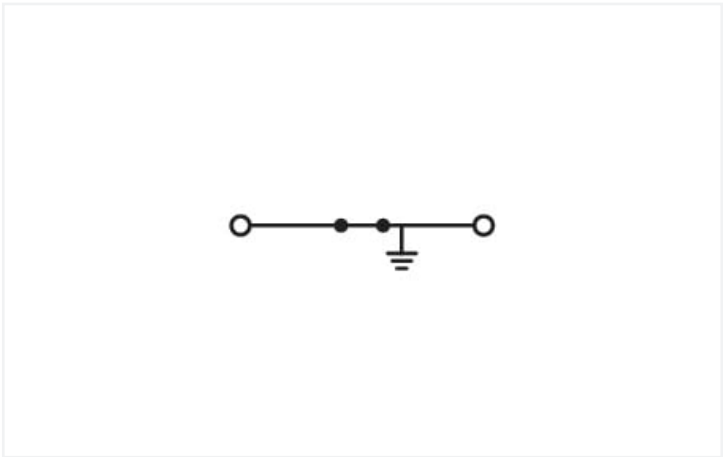


**Data Sheet | Item Number: 2001-1207**  
2-conductor ground terminal block; 1.5 mm²; suitable for Ex e II applications; side and center marking; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 1,50 mm²; green-yellow  
<https://www.wago.com/2001-1207>



Color: ■ green-yellow



Similar to illustration

Electrical data				
Ratings per		IEC/EN 60947-7-2		
Overvoltage category		III	III	II
Pollution degree		3	2	2
Nominal voltage		-	-	-
Rated surge voltage		-	-	-
Rated current		-	-	-
Ex information				
Reference hazardous areas		See "Downloads – Documentation – Additional Information: Technical Section; Technical Explications"		
Connection data				
Clamping units	2	Connection 1		
Total number of potentials	1	Connection technology		Push-in CAGE CLAMP®
Number of levels	1	Actuation type		Operating tool
Number of jumper slots	2	Connectable conductor materials		Copper
		Nominal cross-section		1.5 mm²
		Solid conductor		0.25 ... 2.5 mm² / 22 ... 14 AWG
		Solid conductor; push-in termination		0.75 ... 2.5 mm² / 18 ... 14 AWG
		Fine-stranded conductor		0.25 ... 2.5 mm² / 22 ... 14 AWG
		Fine-stranded conductor; with insulated ferrule		0.25 ... 1.5 mm² / 22 ... 16 AWG



Connection 1	
Fine-stranded conductor; with ferrule; push-in termination	0.75 ... 1.5 mm² / 18 ... 16 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	9 ... 11 mm / 0.35 ... 0.43 inches
Wiring direction	Front-entry wiring

Physical data	
Width	4.2 mm / 0.165 inches
Height	50.8 mm / 2 inches
Depth from upper-edge of DIN-rail	32.9 mm / 1.295 inches

Mechanical data	
Mounting type	DIN-35 rail
Marking level	Center/side marking

Material data	
Note (material data)	<a href="#">Information on material specifications can be found here</a>
Color	green-yellow
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.074 MJ
Weight	6.7 g



Environmental requirements	
Processing temperature	-35 ... +85 °C
Continuous operating temperature	-60 ... +105 °C
Environmental Testing (Environmental Conditions)	
Test specification Railway applications – Rolling stock – Electronic equipment	DIN EN 50155 (VDE 0115-200):2022-06
Test procedure Railway applications – Rolling stock equipment – Shock and vibration tests	DIN EN 61373 (VDE 0115-0106):2011-04
Spectrum/Installation location	Service life test, Category 1, Class A/B
Function test with noise-like vibration	Test passed according to Section 8 of the standard
Frequency	f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 150 Hz f <sub>1</sub> = 5 Hz to f <sub>2</sub> = 150 Hz
Acceleration	0.101g (highest test level used for all axes) 0.572g (highest test level used for all axes) 5g (highest test level used for all axes)
Test duration per axis	10 min. 5 h
Test directions	X, Y and Z axes X, Y and Z axes X, Y and Z axes
Monitoring for contact faults/interruptions	Passed
Voltage drop measurement before and after each axis	Passed





Environmental Testing (Environmental Conditions)	
Simulated service life test through increased levels of noise-like vibration	Test passed according to Section 9 of the standard
Extended test scope: Monitoring for contact faults/interruptions	Passed Passed
Extended test scope: Voltage drop measurement before and after each axis	Passed Passed
Shock test	Test passed according to Section 10 of the standard
Shock form	Half sine
Shock duration	30 ms
Number of shocks per axis	3 pos. und 3 neg.
Vibration and shock stress for rolling stock equipment	Passed

Commercial data	
Product Group	22 (TOPJOB S)
eCl@ss 10.0	27-14-11-41
eCl@ss 9.0	27-14-11-41
ETIM 9.0	EC000901
ETIM 8.0	EC000901
PU (SPU)	100 pcs
Packaging type	Box
Country of origin	DE
GTIN	4017332997317
Customs tariff number	85369010000

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates					
General approvals			Declarations of conformity and manufacturer's declarations		
					
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CSA DEKRA Certification B.V.	C22.2 No. 158	1645434	ATEX-Attestation of Con- formity WAGO GmbH & Co. KG	-	-
UL UL International Germany GmbH	UL 1059	E45172	Railway WAGO GmbH & Co. KG	-	Railway Ready

Approvals for marine applications														
														
<table><tr><th>Approval</th><th>Standard</th><th>Certificate Name</th></tr><tr><td>ABS American Bureau of Shipping</td><td>EN 60947</td><td>20-HG1941090-PDA</td></tr><tr><td>BV Bureau Veritas S.A.</td><td>EN 60947</td><td>38586/B0 BV</td></tr><tr><td>DNV GL Det Norske Veritas, Germanischer Lloyd</td><td>-</td><td>TAE00001V2</td></tr></table>	Approval	Standard	Certificate Name	ABS American Bureau of Shipping	EN 60947	20-HG1941090-PDA	BV Bureau Veritas S.A.	EN 60947	38586/B0 BV	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2		
Approval	Standard	Certificate Name												
ABS American Bureau of Shipping	EN 60947	20-HG1941090-PDA												
BV Bureau Veritas S.A.	EN 60947	38586/B0 BV												
DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2												

Approvals for hazardous areas														
														
<table><tr><th>Approval</th><th>Standard</th><th>Certificate Name</th></tr><tr><td>AEx UL International Germany GmbH c/o Physikalisch Technische Bundesanstalt</td><td>UL 60079</td><td>E185892 (AEx e II resp. Ex e II)</td></tr><tr><td>ATEX Physikalisch Technische Bundesanstalt (PTB)</td><td>EN 60079</td><td>PTB 05 ATEX 1094 U (II 2 G Ex eb IIC Gb bzw. I M 2 Ex eb I Mb)</td></tr><tr><td>CCC CNEX</td><td>GB/T 3836.3</td><td>2020312313000159 (Ex eb IIC Gb, Ex eb I Mb)</td></tr></table>	Approval	Standard	Certificate Name	AEx UL International Germany GmbH c/o Physikalisch Technische Bundesanstalt	UL 60079	E185892 (AEx e II resp. Ex e II)	ATEX Physikalisch Technische Bundesanstalt (PTB)	EN 60079	PTB 05 ATEX 1094 U (II 2 G Ex eb IIC Gb bzw. I M 2 Ex eb I Mb)	CCC CNEX	GB/T 3836.3	2020312313000159 (Ex eb IIC Gb, Ex eb I Mb)		
Approval	Standard	Certificate Name												
AEx UL International Germany GmbH c/o Physikalisch Technische Bundesanstalt	UL 60079	E185892 (AEx e II resp. Ex e II)												
ATEX Physikalisch Technische Bundesanstalt (PTB)	EN 60079	PTB 05 ATEX 1094 U (II 2 G Ex eb IIC Gb bzw. I M 2 Ex eb I Mb)												
CCC CNEX	GB/T 3836.3	2020312313000159 (Ex eb IIC Gb, Ex eb I Mb)												



Approvals for hazardous areas		
EAC Brjansker Zertifizierungs- stelle	TP TC 012/2011	RU C-DE.AM02. B.00127/19 (Ex e IIC Gb U)
IECEX Physikalisch Technische Bundesanstalt (PTB)	IEC 60079	IECEX PTB 05.0034U (Ex eb IIC Gb or Ex eb I Mb)
INMETRO TÜV Rheinland do Brasil Ltda.	IEC 60079	TÜV 12.1308 U

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2001-1207

↓

Documentation			
Additional Information		Bid Text	
Technical Section	pdf 2246.92 KB	2001-1207	19.02.2019 xml 3.59 KB
		2001-1207	02.08.2018 docx 14.35 KB


CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 2001-1207	EPLAN Data Portal 2001-1207
	WSCAD Universe 2001-1207
	ZUKEN Portal 2001-1207

1 Compatible Products


1.1 Required Accessories

1.1.1 End plate


1.1.1.1 End plate



Item No.: 2002-1291  
End and intermediate plate; 0.8 mm thick;  
gray



Item No.: 2002-1292  
End and intermediate plate; 0.8 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.: 210-197**  
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored



**Item No.: 210-114**  
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



**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.: 210-113**  
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored

1.2.2 End plate

1.2.2.1 End plate



**Item No.: 209-190**  
Separator for Ex e/Ex i applications; 3 mm thick; 90 mm wide; orange



**Item No.: 2002-1293**  
Separator plate; 2 mm thick; oversized; gray



**Item No.: 2002-1294**  
Separator plate; 2 mm thick; oversized; orange

1.2.3 Ferrule

1.2.3.1 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.: 216-243**  
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.: 216-244**  
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

1.2.4 Installation

1.2.4.1 Cover



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

1.2.4.2 Cover carrier



**Item No.: 709-169**  
Cover carrier; Type 3; incl. fixing/retaining screws and knurled nut; suitable for 279 to 282 and 880 Series rail-mounted terminal blocks; suitable for 264 Series miniature rail-mounted terminal blocks; suitable for 270 Series sensor and actuator terminal blocks; gray

1.2.5 Insulation stop

1.2.5.1 Insulation stop



**Item No.: 2001-171**  
Insulation stop; 0.25 - 0.5 mm²; 5 pieces/  
strip; light gray

1.2.6 Jumper

1.2.6.1 Jumper



**Item No.: 2001-406/020-000**  
Delta jumper; insulated; light gray



**Item No.: 2001-410**  
Jumper; 10-way; insulated; light gray



**Item No.: 2001-402**  
Jumper; 2-way; insulated; light gray



**Item No.: 2001-403**  
Jumper; 3-way; insulated; light gray



**Item No.: 2001-404**  
Jumper; 4-way; insulated; light gray



**Item No.: 2001-405**  
Jumper; 5-way; insulated; light gray



**Item No.: 2001-406**  
Jumper; 6-way; insulated; light gray



**Item No.: 2001-407**  
Jumper; 7-way; insulated; light gray



**Item No.: 2001-408**  
Jumper; 8-way; insulated; light gray



**Item No.: 2001-409**  
Jumper; 9-way; insulated; light gray



**Item No.: 2001-440**  
Jumper; from 1 to 10; insulated; light gray



**Item No.: 2001-433**  
Jumper; from 1 to 3; insulated; light gray



**Item No.: 2001-434**  
Jumper; from 1 to 4; insulated; light gray



**Item No.: 2001-435**  
Jumper; from 1 to 5; insulated; light gray



**Item No.: 2001-436**  
Jumper; from 1 to 6; insulated; light gray



**Item No.: 2001-437**  
Jumper; from 1 to 7; insulated; light gray



**Item No.: 2001-438**  
Jumper; from 1 to 8; insulated; light gray



**Item No.: 2001-439**  
Jumper; from 1 to 9; insulated; light gray



**Item No.: 2001-405/011-000**  
Star point jumper; 3-way; insulated; light  
gray



**Item No.: 210-103**  
Wire commoning chain; insulated; black



**Item No.: 210-123**  
Wire commoning chain; insulated; blue

1.2.7 Marking

1.2.7.1 Marker



**Item No.: 793-4501/000-006**  
WMB marking card; as card; stretchable  
4 - 4.2 mm; plain; snap-on type; blue



**Item No.: 793-4501/000-007**  
WMB marking card; as card; stretchable  
4 - 4.2 mm; plain; snap-on type; gray



**Item No.: 793-4501/000-023**  
WMB marking card; as card; stretchable  
4 - 4.2 mm; plain; snap-on type; green



**Item No.: 793-4501/000-017**  
WMB marking card; as card; stretchable  
4 - 4.2 mm; plain; snap-on type; light  
green



**Item No.: 793-4501/000-012**  
WMB marking card; as card; stretchable  
4 - 4.2 mm; plain; snap-on type; orange



**Item No.: 793-4501/000-005**  
WMB marking card; as card; stretchable  
4 - 4.2 mm; plain; snap-on type; red



**Item No.: 793-4501/000-024**  
WMB marking card; as card; stretchable  
4 - 4.2 mm; plain; snap-on type; violet



**Item No.: 793-4501**  
WMB marking card; as card; stretchable  
4 - 4.2 mm; plain; snap-on type; white



**Item No.: 793-4501/000-002**  
WMB marking card; as card; stretchable  
4 - 4.2 mm; plain; snap-on type; yellow



**Item No.: 2009-114/000-006**  
WMB-Inline; for Smart Printer; 2000 pie-  
ces on roll; stretchable 4 - 4.2 mm; plain;  
snap-on type; blue



**Item No.: 2009-114/000-007**  
WMB-Inline; for Smart Printer; 2000 pie-  
ces on roll; stretchable 4 - 4.2 mm; plain;  
snap-on type; gray



**Item No.: 2009-114/000-023**  
WMB-Inline; for Smart Printer; 2000 pie-  
ces on roll; stretchable 4 - 4.2 mm; plain;  
snap-on type; green



1.2.7.1 Marker



**Item No.: 2009-114/000-012**  
WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; orange



**Item No.: 2009-114/000-005**  
WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; red



**Item No.: 2009-114/000-024**  
WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; violet



**Item No.: 2009-114**  
WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; white



**Item No.: 2009-114/000-002**  
WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; yellow

1.2.7.2 Marking strip



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

1.2.8 Protective warning marker

1.2.8.1 Cover



**Item No.: 2001-115**  
Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

1.2.9 Push-in type wire jumper

1.2.9.1 Jumper



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



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



**Item No.: 2009-416**  
Push-in type wire jumper; 1.5 mm²; 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

1.2.10 Screwless end stop

1.2.10.1 Mounting accessories



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



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



1.2.11 Test and measurement

1.2.11.1 Testing accessories



**Item No.: 2001-560**  
Modular TOPJOB®S connector; modular; for jumper contact slot; 10-pole; 1,50 mm²; gray



**Item No.: 2001-511**  
Modular TOPJOB®S connector; modular; for jumper contact slot; 1-pole; 1,50 mm²; gray



**Item No.: 2001-552**  
Modular TOPJOB®S connector; modular; for jumper contact slot; 2-pole; 1,50 mm²; gray



**Item No.: 2001-553**  
Modular TOPJOB®S connector; modular; for jumper contact slot; 3-pole; 1,50 mm²; gray



**Item No.: 2001-554**  
Modular TOPJOB®S connector; modular; for jumper contact slot; 4-pole; 1,50 mm²; gray



**Item No.: 2001-555**  
Modular TOPJOB®S connector; modular; for jumper contact slot; 5-pole; 1,50 mm²; gray



**Item No.: 2001-556**  
Modular TOPJOB®S connector; modular; for jumper contact slot; 6-pole; 1,50 mm²; gray



**Item No.: 2001-557**  
Modular TOPJOB®S connector; modular; for jumper contact slot; 7-pole; 1,50 mm²; gray



**Item No.: 2001-558**  
Modular TOPJOB®S connector; modular; for jumper contact slot; 8-pole; 1,50 mm²; gray



**Item No.: 2001-559**  
Modular TOPJOB®S connector; modular; for jumper contact slot; 9-pole; 1,50 mm²; gray



**Item No.: 2001-549**  
Spacer module; modular; e.g., for bridging commoned terminal blocks; gray



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



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

1.2.12 Tool

1.2.12.1 Operating tool



**Item No.: 210-719**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft



**Item No.: 210-648**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short



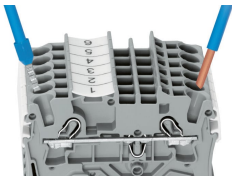
**Item No.: 210-647**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured

Installation Notes

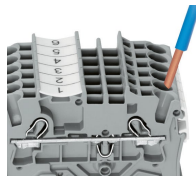
Conductor termination



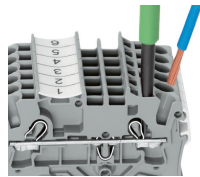
All conductor types at a glance



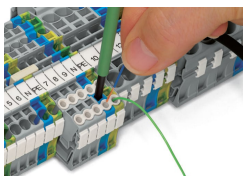
Push-in termination of solid and ferruled conductors



**Inserting a conductor via push-in termination:**  
Solid conductors with cross-sections from either one size above, or up to two sizes below, the rated cross-section can be simply pushed in – no tools needed.



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

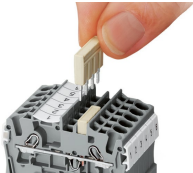


Conductor termination – insulation stop

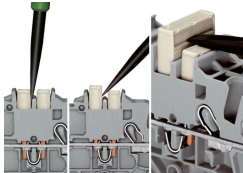




Commoning

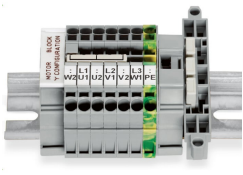


Insert push-in type jumper bar and push down until it hits backstop.

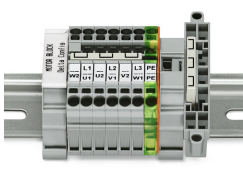


**Removing a push-in type jumper bar:**  
Insert the operating tool between the jumper and partition wall of the dual jumper slots, then lift up the jumper. Place the operating tool in the center of jumpers for up to five contacts (see above), or alternately on both sides for jumpers with more than five contacts.

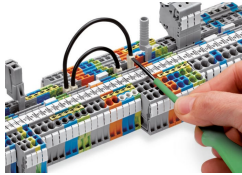
Commoning



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



This delta jumper has been specially developed to create a delta configuration and is used on motor terminal boards equipped with rail-mount terminal blocks TOPJOB® S.

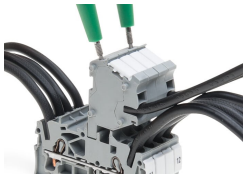


Push down the wire jumper until fully inserted. Lift the jumper with an operating tool for rewiring.

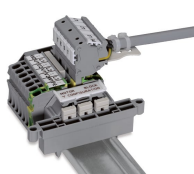
Testing



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



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



Rail-mount terminal block assembly for electric motor wiring

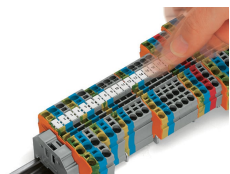


Test plug adapter (Item No. 2009-174, CAT I) for 4 mm Ø plugs – compatible with 2000 to 2016 Series

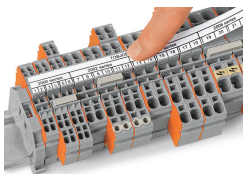


Testing tap (Item No. 2009-182) for tool-free connection of test cables up to 2.5 mm² (12 AWG) – compatible with 2000 to 2016 Series

Marking



Snapping WMB Inline markers into marker slots.



TOPJOB® S 2009-193 Group Marker Carrier (equipped with a marking strip) for all 2001 to 2016 Series TOPJOB® S Rail-Mount Terminal Blocks  
Do not use on an end plate!

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

Current addresses can be found at: [www.wago.com](http://www.wago.com)