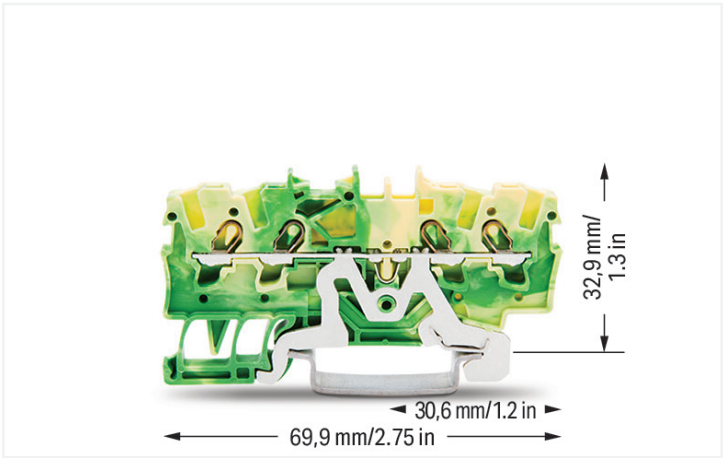


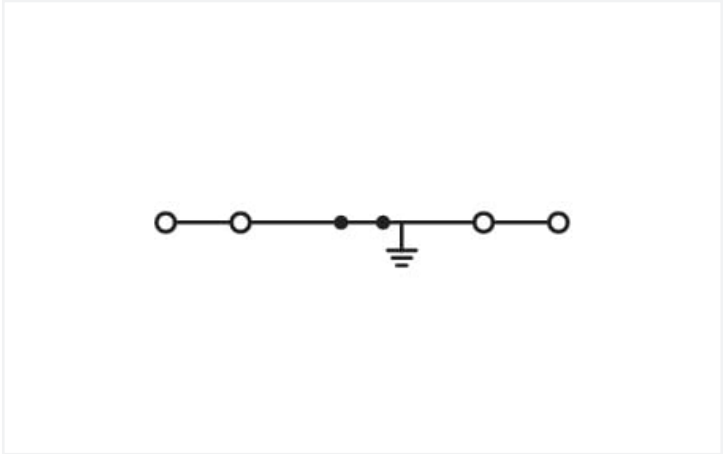
Data Sheet | Item Number: 2001-1407

4-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/2001-1407>



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 Explanations"		

Connection data				
Connection points	4	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	69.9 mm / 2.752 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	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.122 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	27-14-11-41
eCl@ss 9.0	27-14-11-41
ETIM 8.0	EC000901
ETIM 7.0	EC000901
PU (SPU)	100 pcs
Packaging type	Box
Country of origin	DE
GTIN	4055143616973
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			Approvals for hazardous areas		
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	EN 60947	20-HG1941090-PDA	AEx UL International Germany GmbH c/o Physikalisch Technische Bundesanstalt	UL 60079	E185892 (AEx e II resp. Ex e II)
BV Bureau Veritas S.A.	EN 60947	38586/B0 BV	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)
DNV GL Det Norske Veritas, Ger- manischer Lloyd	-	TAE00001V2	CCC CNEX	GB/T 3836.3	2020312313000159 (Ex eb IIC Gb, Ex eb I Mb)
			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. 0034 U (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 2001-1407	



Documentation			
Additional Information		Bid Text	
Technical Section	pdf 2240.62 KB	2001-1407 19.02.2019	xml 3.59 KB
		2001-1407 02.08.2018	docx 14.40 KB






CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 2001-1407	EPLAN Data Portal 2001-1407
	WSCAD Universe 2001-1407
	ZUKEN Portal 2001-1407

1 Compatible Products

1.1 Required Accessories

1.1.1 End plate









1.1.1.1 End plate

			
<a href="#">Item No.: 2002-1491</a> End and intermediate plate; 0.8 mm thick; gray	<a href="#">Item No.: 2002-1492</a> End and intermediate plate; 0.8 mm thick; orange	<a href="#">Item No.: 209-191</a> Separator for Ex e/Ex i applications; 3 mm thick; 120 mm wide; orange	<a href="#">Item No.: 2002-1493</a> Seperator plate; 2 mm thick; oversized; gray
			
<a href="#">Item No.: 2002-1494</a> Seperator plate; 2 mm thick; oversized; orange			

1.2 Optional Accessories

1.2.1 DIN-rail

1.2.1.1 Mounting accessories

			
<a href="#">Item No.: 210-196</a> Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslopped; similar to EN 60715; silver-colored	<a href="#">Item No.: 210-198</a> Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslopped; according to EN 60715; copper-colored	<a href="#">Item No.: 210-197</a> Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slopped; similar to EN 60715; silver-colored	<a href="#">Item No.: 210-114</a> Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslopped; similar to EN 60715; silver-colored
			
<a href="#">Item No.: 210-118</a> Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslopped; according to EN 60715; silver-colored	<a href="#">Item No.: 210-115</a> Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slopped; according to EN 60715; \"Hole width 18 mm; silver-colored	<a href="#">Item No.: 210-112</a> Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slopped; according to EN 60715; \"Hole width 25 mm; silver-colored	<a href="#">Item No.: 210-113</a> Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslopped; according to EN 60715; silver-colored



1.2.2 Ferrule

1.2.2.1 Ferrule



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



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



**Item No.: 216-243**  
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

1.2.3 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; 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

1.2.4 Insulation stop

1.2.4.1 Insulation stop



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

1.2.5 Jumper

1.2.5.1 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



1.2.5.1 Jumper



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

1.2.6 Marking

1.2.6.1 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 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; blue



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



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



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

1.2.6.2 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.: 2001-115**  
Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

1.2.8 Push-in type wire jumper

1.2.8.1 Jumper



**Item No.: 2009-414**  
Push-in type wire jumper; 1.5 mm²; 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

1.2.9 Screwless end stop

1.2.9.1 Mounting accessories



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



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

1.2.10 Test and measurement

1.2.10.1 Testing accessories



**Item No.: 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

1.2.11 Tool

1.2.11.1 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



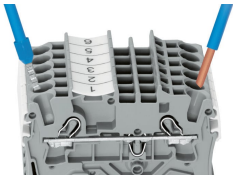
**Item No.: 210-647**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured

Installation Notes

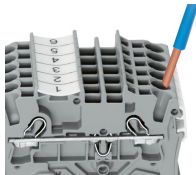
Conductor termination



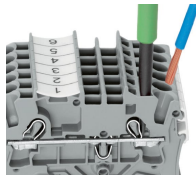
**All conductor types at a glance**



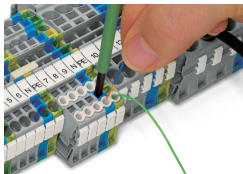
Push-in termination of solid and ferruled conductors



**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.

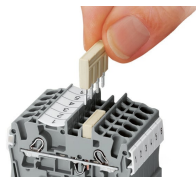


**Inserting a conductor via operating tool:**  
Connecting fine-stranded conductors without ferrules, or small cross-sectional conductors that cannot be pushed in, is performed similarly to the original CAGE CLAMP® – just use an operating tool.  
**Advantage:**  
To open the clamp, the operating tool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

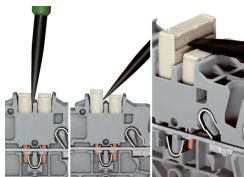


Conductor termination – insulation stop

Commoning



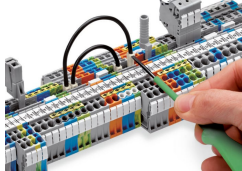
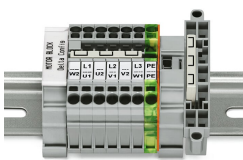
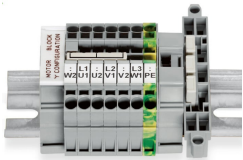
Insert push-in type jumper bar and push down until it hits backstop.



**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

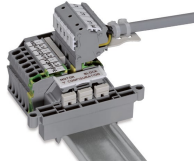
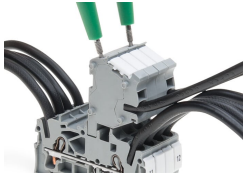


This star point jumper has been specially developed to create a “star point” and is used on motor terminal boards equipped with Rail-Mount Terminal Blocks TOPJOB® S.

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

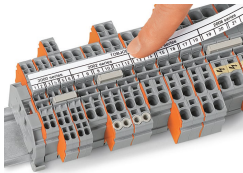
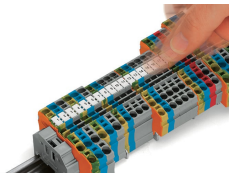
Rail-mount terminal block assembly for electric motor wiring

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!