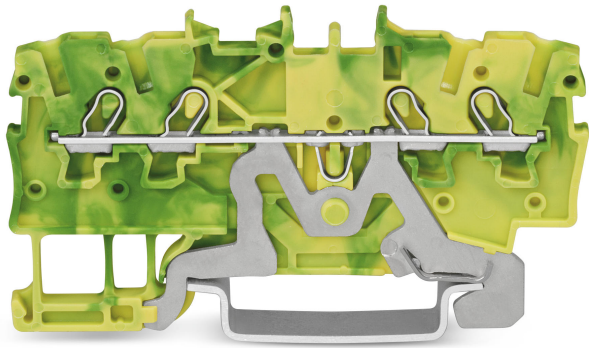


Data sheet | Item number: 2000-1407

4-conductor ground terminal block; 1 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®; 1,00 mm²; green-yellow

www.wago.com/2000-1407

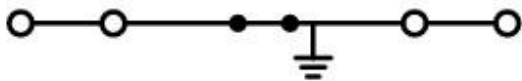
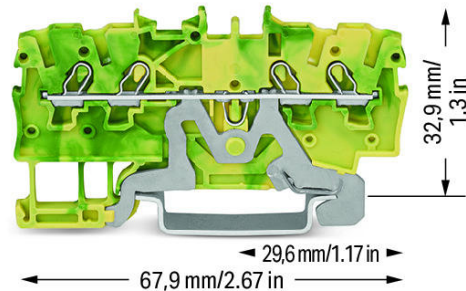


 Picture differs from the item.

RoHS
Compliant



Color: 



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Data

Electrical data

Ratings per IEC/EN 60664-1

Ratings per	IEC/EN 60947-7-2
-------------	------------------

Connection data

Connection technology	Push-in CAGE CLAMP®
Actuation type	Push-in Open Tool Slot
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 ... 1.5 mm² / 24 ... 16 AWG
Solid conductor; push-in termination	0.5 ... 1.5 mm² / 20 ... 16 AWG
Fine-stranded conductor	0.14 ... 1.5 mm² / 24 ... 16 AWG
Fine-stranded conductor; with insulated ferrule	0.5 ... 0.75 mm² / 20 ... 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 ... 0.75 mm² / 20 ... 18 AWG
Strip length	9 ... 11 mm / 0.35 ... 0.43 inch
Total number of connection points	4
Total number of potentials	1
Number of levels	1
Wiring type	Front-entry wiring
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Number of jumper slots	2

Geometrical Data

Width	3.5 mm / 0.138 inch
Height from upper-edge of DIN-rail	32.9 mm / 1.295 inch
Depth	67.9 mm / 2.673 inch

Mechanical data

Design	horizontal type
Mounting type	DIN-35 rail
Marking level	Center/side marking

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



Material Data

Color	green-yellow
Insulation material	Polyamide 66 (PA66)
Fire load	0.096 MJ
Weight	7.2 g

Commercial data

Product Group	22 (TOPJOB S)
Packaging type	BOX
Country of origin	CN
GTIN	4045454966980
Customs tariff number	85369010000

Approvals / Certificates

Ex-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	AEx Underwriters Laboratories Inc.	UL 60079	E185892
	ATEX Physikalisch Technische Bundesanstalt	EN 60079	PTB 11 ATEX 1041 U (II 2 G Ex e IIC GB / I M 2 Ex e I Mb)
	IECEx Physikalisch Technische Bundesanstalt	IEC 60079	IECEx PTB 11.0093U (Ex e IIC Gb or Ex e I Mb)

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 60947	71- 102841

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CSA
DEKRA Certification B.V.

C22.2 No. 158

2130762



EAC
Brjansker Zertifizierungsstelle

TP TC 012/2011

RU C-DE.
AM02.B.
00127/19

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	EN 60947	20- HG1941090- PDA
	BV Bureau Veritas S.A.	EN 60947	38586/A0 BV
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2
	LR Lloyds Register	EN 60947	91/20112 (E9)

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Germany GmbH	UL 1059	20190930- E45172

Counterpart

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Compatible products

Jumper

	Item no.: 2000-402 Jumper; 2-way; insulated; light gray	www.wago.com/2000-402
	Item no.: 2000-402/000-005 Jumper; 2-way; insulated; red	www.wago.com/2000-402/000-005
	Item no.: 2000-402/000-006 Jumper; 2-way; insulated; blue	www.wago.com/2000-402/000-006
	Item no.: 2000-402/000-018 Jumper; 2-way; insulated; yellow-green	www.wago.com/2000-402/000-018
	Item no.: 2000-403 Jumper; 3-way; insulated; light gray	www.wago.com/2000-403
	Item no.: 2000-403/000-005 Jumper; 3-way; insulated; red	www.wago.com/2000-403/000-005
	Item no.: 2000-403/000-006 Jumper; 3-way; insulated; blue	www.wago.com/2000-403/000-006
	Item no.: 2000-404 Jumper; 4-way; insulated; light gray	www.wago.com/2000-404
	Item no.: 2000-404/000-005 Jumper; 4-way; insulated; red	www.wago.com/2000-404/000-005
	Item no.: 2000-404/000-006 Jumper; 4-way; insulated; blue	www.wago.com/2000-404/000-006
	Item no.: 2000-405 Jumper; 5-way; insulated; light gray	www.wago.com/2000-405

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

	Item no.: 2000-405/000-005 Jumper; 5-way; insulated; red	www.wago.com/2000-405/000-005
	Item no.: 2000-405/000-006 Jumper; 5-way; insulated; blue	www.wago.com/2000-405/000-006
	Item no.: 2000-405/011-000 Star point jumper; 3-way; insulated; light gray	www.wago.com/2000-405/011-000
	Item no.: 2000-406 Jumper; 6-way; insulated; light gray	www.wago.com/2000-406
	Item no.: 2000-406/000-005 Jumper; 6-way; insulated; red	www.wago.com/2000-406/000-005
	Item no.: 2000-406/000-006 Jumper; 6-way; insulated; blue	www.wago.com/2000-406/000-006
	Item no.: 2000-406/020-000 Delta jumper; insulated; light gray	www.wago.com/2000-406/020-000
	Item no.: 2000-407 Jumper; 7-way; insulated; light gray	www.wago.com/2000-407
	Item no.: 2000-407/000-005 Jumper; 7-way; insulated; red	www.wago.com/2000-407/000-005
	Item no.: 2000-407/000-006 Jumper; 7-way; insulated; blue	www.wago.com/2000-407/000-006
	Item no.: 2000-408 Jumper; 8-way; insulated; light gray	www.wago.com/2000-408
	Item no.: 2000-408/000-005 Jumper; 8-way; insulated; red	www.wago.com/2000-408/000-005
	Item no.: 2000-408/000-006 Jumper; 8-way; insulated; blue	www.wago.com/2000-408/000-006
	Item no.: 2000-409 Jumper; 9-way; insulated; light gray	www.wago.com/2000-409
	Item no.: 2000-409/000-005 Jumper; 9-way; insulated; red	www.wago.com/2000-409/000-005

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



Item no.: 2000-409/000-006
Jumper; 9-way; insulated; blue

www.wago.com/2000-409/000-006

Item no.: 2000-410
Jumper; 10-way; insulated; light gray

www.wago.com/2000-410

Item no.: 2000-410/000-005
Jumper; 10-way; insulated; red

www.wago.com/2000-410/000-005

Item no.: 2000-410/000-006
Jumper; 10-way; insulated; blue

www.wago.com/2000-410/000-006

Item no.: 2000-433
Jumper; from 1 to 3; insulated; light gray

www.wago.com/2000-433

Item no.: 2000-433/000-005
Jumper; from 1 to 3; insulated; red

www.wago.com/2000-433/000-005

Item no.: 2000-433/000-006
Jumper; from 1 to 3; insulated; blue

www.wago.com/2000-433/000-006

Item no.: 2000-434
Jumper; from 1 to 4; insulated; light gray

www.wago.com/2000-434

Item no.: 2000-435
Jumper; from 1 to 5; insulated; light gray

www.wago.com/2000-435

Item no.: 2000-436
Jumper; from 1 to 6; insulated; light gray

www.wago.com/2000-436

Item no.: 2000-437
Jumper; from 1 to 7; insulated; light gray

www.wago.com/2000-437

Item no.: 2000-438
Jumper; from 1 to 8; insulated; light gray

www.wago.com/2000-438

Item no.: 2000-439
Jumper; from 1 to 9; insulated; light gray

www.wago.com/2000-439

Item no.: 2000-440
Jumper; from 1 to 10; insulated; light gray

www.wago.com/2000-440

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

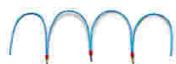
www.wago.com/210-103

Item no.: 210-123

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Wire commoning chain; insulated; blue

www.wago.com/210-123

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 www.wago.com/216-241

**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 www.wago.com/216-242

**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 www.wago.com/216-243

End plate

**Item no.: 209-191**

Separator for Ex e/Ex i applications; 3 mm thick; 120 mm wide; orange www.wago.com/209-191

tools

**Item no.: 210-647**

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft www.wago.com/210-647

**Item no.: 210-648**

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short www.wago.com/210-648

**Item no.: 210-719**

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft www.wago.com/210-719

Marking accessories

**Item no.: 2009-110**

Marking strips; on reel; not stretchable; plain; snap-on type; white www.wago.com/2009-110

**Item no.: 2009-113**

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; white www.wago.com/2009-113

**Item no.: 2009-113/000-002**

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; yellow www.wago.com/2009-113/000-002

**Item no.: 2009-113/000-005**

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; red www.wago.com/2009-113/000-005

**Item no.: 2009-113/000-006**

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; blue www.wago.com/2009-113/000-006

**Item no.: 2009-113/000-007**

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; gray www.wago.com/2009-113/000-007

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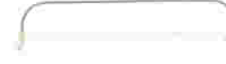
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	Item no.: 2009-113/000-012 WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; orange	www.wago.com/2009-113/000-012
	Item no.: 2009-113/000-017 WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; light green	www.wago.com/2009-113/000-017
	Item no.: 2009-113/000-023 WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; green	www.wago.com/2009-113/000-023
	Item no.: 2009-113/000-024 WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; violet	www.wago.com/2009-113/000-024
	Item no.: 2009-191 Group marker carrier	www.wago.com/2009-191
	Item no.: 793-3501 WMB marking card; as card; plain; snap-on type; white	www.wago.com/793-3501
Push-In type wire jumper		
	Item no.: 2009-402 Push-in type wire jumper; 0.75 mm ² ; insulated; 60 mm long; gray	www.wago.com/2009-402
	Item no.: 2009-404 Push-in type wire jumper; 0.75 mm ² ; insulated; 110 mm long; gray	www.wago.com/2009-404
	Item no.: 2009-406 Push-in type wire jumper; 0.75 mm ² ; insulated; 250 mm long; gray	www.wago.com/2009-406
check		
	Item no.: 2000-510 TOPJOB®S L-type test plug module; modular; for jumper contact slot; 1,00 mm ² ; gray	www.wago.com/2000-510
	Item no.: 2000-511 TOPJOB®S L-type test plug module; modular; for jumper contact slot; 1-pole; 1,00 mm ² ; gray	www.wago.com/2000-511
	Item no.: 2000-549 Spacer module; modular; e.g., for bridging commoned terminal blocks; gray	www.wago.com/2000-549
	Item no.: 2000-552 Modular TOPJOB®S connector; modular; for jumper contact slot; 2-pole; 1,00 mm ² ; gray	www.wago.com/2000-552
	Item no.: 2000-553 Modular TOPJOB®S connector; modular; for jumper contact slot; 3-pole; 1,00 mm ² ; gray	www.wago.com/2000-553
	Item no.: 2000-554 Modular TOPJOB®S connector; modular; for jumper contact slot; 4-pole; 1,00 mm ² ; gray	www.wago.com/2000-554
	Item no.: 2000-555 Modular TOPJOB®S connector; modular; for jumper contact slot; 5-pole; 1,00 mm ² ; gray	www.wago.com/2000-555

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

	Item no.: 2000-556 Modular TOPJOB®S connector; modular; for jumper contact slot; 6-pole; 1,00 mm ² ; gray	www.wago.com/2000-556
	Item no.: 2000-557 Modular TOPJOB®S connector; modular; for jumper contact slot; 7-pole; 1,00 mm ² ; gray	www.wago.com/2000-557
	Item no.: 2000-558 Modular TOPJOB®S connector; modular; for jumper contact slot; 8-pole; 1,00 mm ² ; gray	www.wago.com/2000-558
	Item no.: 2000-559 Modular TOPJOB®S connector; modular; for jumper contact slot; 9-pole; 1,00 mm ² ; gray	www.wago.com/2000-559
	Item no.: 2000-560 Modular TOPJOB®S connector; modular; for jumper contact slot; 10-pole; 1,00 mm ² ; gray	www.wago.com/2000-560
	Item no.: 2009-174 Test plug adapter; for 4 mm Ø test plugs; for testing TOPJOB®S rail-mounted terminal blocks; gray	www.wago.com/2009-174
	Item no.: 2009-182 Testing tap; for max. 2.5 mm ² ; tool-free connection for individual test wires 0.08 - 2.5 mm; gray	www.wago.com/2009-182
	Item no.: 210-136 Test plug; 2 mm Ø; with 500 mm cable; red	www.wago.com/210-136
	Item no.: 210-137 Test plug; 2.3 mm Ø; with 500 mm cable; yellow	www.wago.com/210-137
Carrier rail		
	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	www.wago.com/210-112
	Item no.: 210-113 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715	www.wago.com/210-113
	Item no.: 210-114 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715	www.wago.com/210-114
	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	www.wago.com/210-115
	Item no.: 210-118 Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715	www.wago.com/210-118
	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	www.wago.com/210-196
	Item no.: 210-197 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715	www.wago.com/210-197
	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	www.wago.com/210-198

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Protective Warning Marker



Item no.: 2000-115

Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks; yellow

www.wago.com/2000-115

Downloads

Documentation

Bid Text

2000-1407 GAEB docx - Datei	Aug 7, 2018	docx 14.7 kB	Download
2000-1407 GAEB X81 - Datei	Feb 19, 2019	xml 3.7 kB	Download
Additional Information Technical explanations	Apr 3, 2019	pdf 2.1 MB	Download

CAD/CAE-Data

CAD data

2D/3D Models 2000-1407	URL	Download
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CAE data

EPLAN Data Portal 2000-1407	URL	Download
WSCAD Universe 2000-1407	URL	Download
ZUKEN Portal 2000-1407	URL	Download

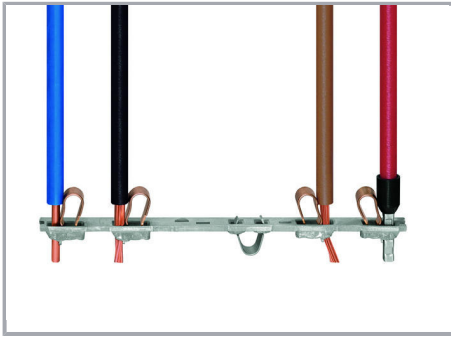
Installation Notes

Conductor termination

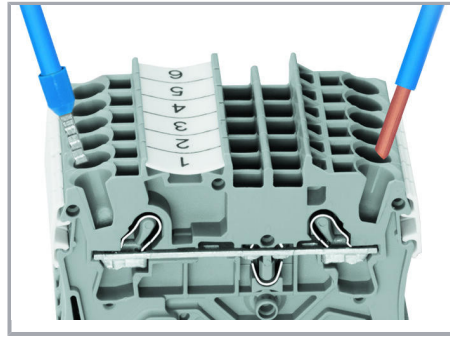
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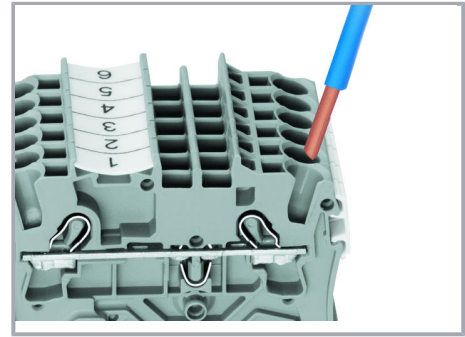
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All conductor types at a glance



Terminating solid and ferruled conductors via push-in connection.



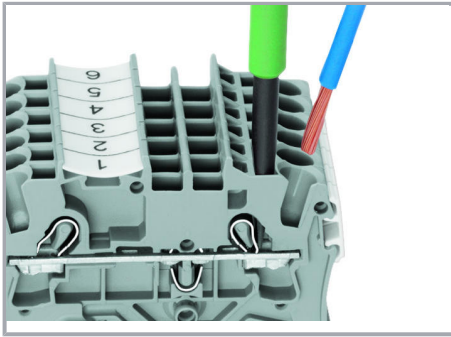
Inserting conductors via push-in termination.

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.

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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.

The smart feature:

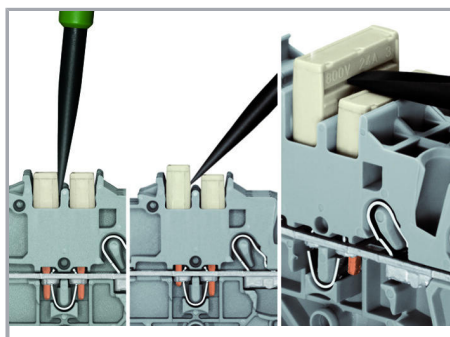
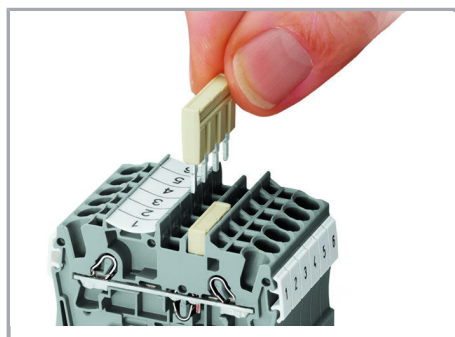
To open the clamp, the operating tool is inserted vertically. The conductor entry is less than 15 degrees for easier wiring.

Commoning

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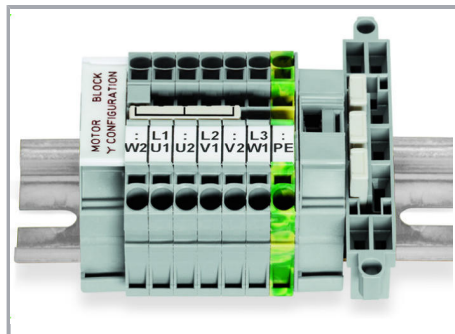
The push-in type jumper bar system is based on the common plug and socket principle. Each terminal block is spring-loaded with a double socket and a resilient CrNi steel spring. The jumper contact material is pure electrolytic copper, which allows for an extremely small design capable of carrying the full-rated current of the terminal block. Ground terminal blocks can also be commoned using the same jumper system. Custom jumpers are created by breaking and removing jumper contacts (2000, 2001, 2002, 2004 Series).

Removing a push-in type jumper bar.

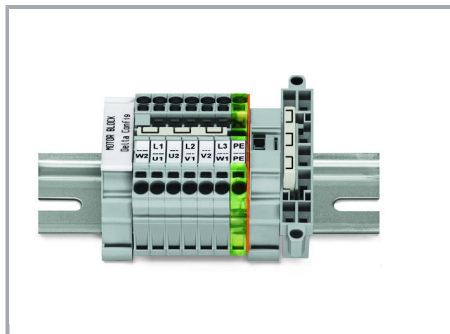
Insert the operating tool between the jumper and the partition wall of the dual jumper slots, then lift up the jumper.

Place the operating tool in the center of jumpers up to five contacts (see above), or alternately on both sides for jumpers with more than five contacts.

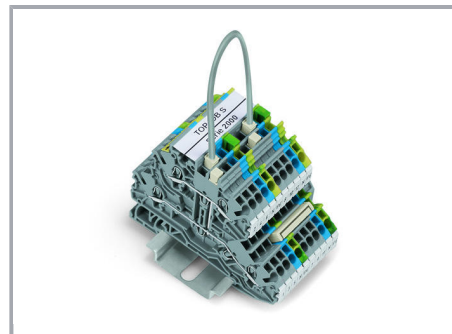
Commoning



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



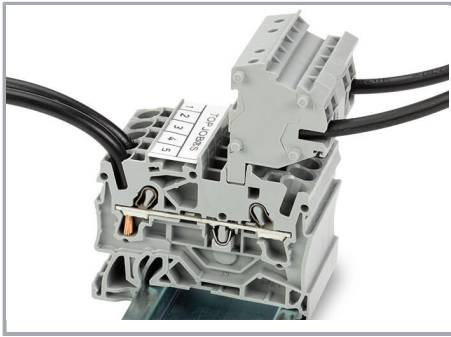
This delta jumper has been specially developed to create a delta configuration and is used on motor terminal boards equipped with TOPJOB® S rail-mount terminal blocks.



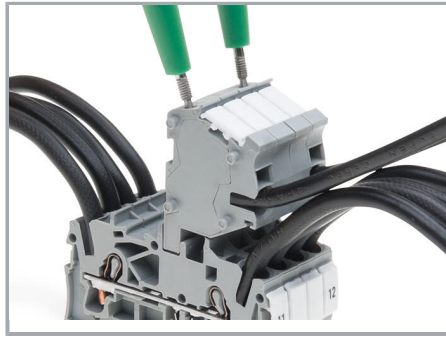
Push down the wire jumper (2009-402) until fully inserted. Lift the jumper with an operating tool for rewiring.

Testing

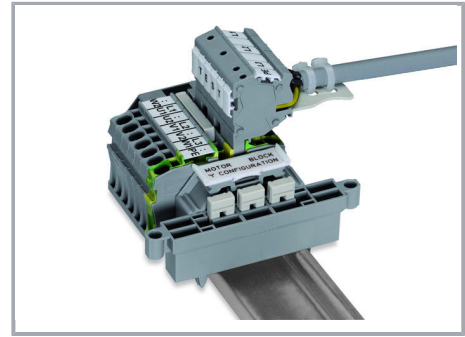
Subject to changes. Please also observe the further product documentation!



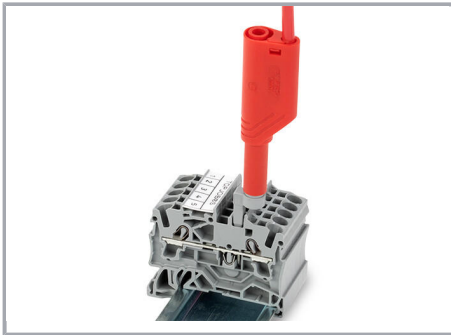
The modular TOPJOB® S connectors also connect conductors of the same size as the terminal blocks being used.



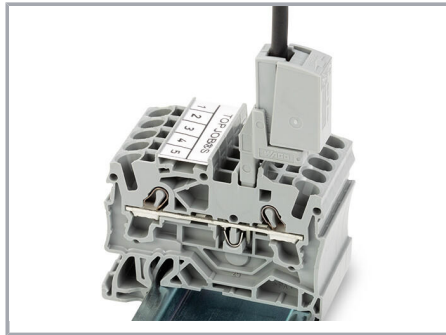
TOPJOB® S Connectors with a 2 mm Ø test socket for testing voltage via 2-pole voltage tester



Rail-mount terminal block assembly for electric motor wiring

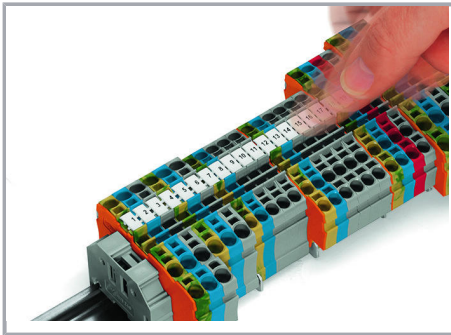


Test plug adapter (2009-174, CAT II) for 4 mm Ø plugs – compatible with 2000 to 2016 Series

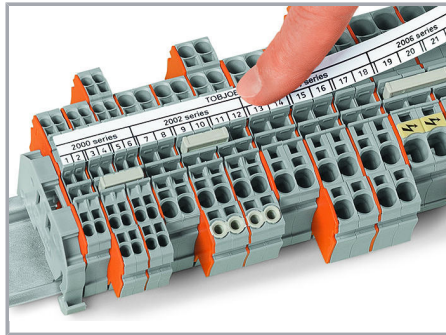


Testing tap (2009-182) for tool-free connection of test cables up to 2.5 mm² (12 AWG) – compatible with 2000 to 2016 Series

Marking



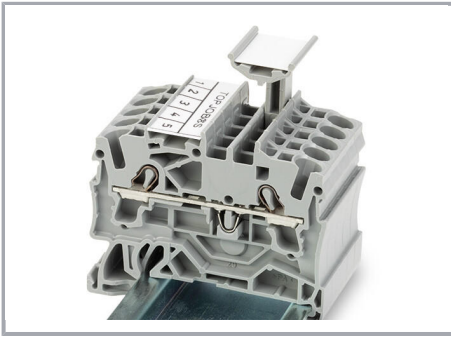
Snapping WMB Inline markers into marker slots.



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

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We are always happy to take your call at +49 (571) 887-44222.



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!

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