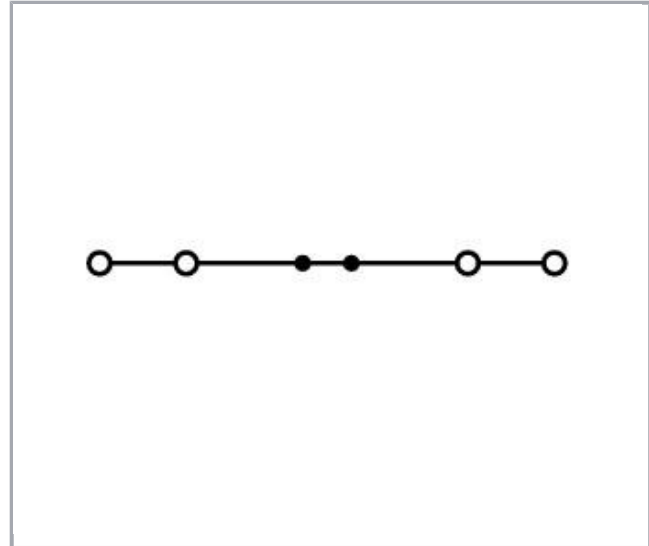
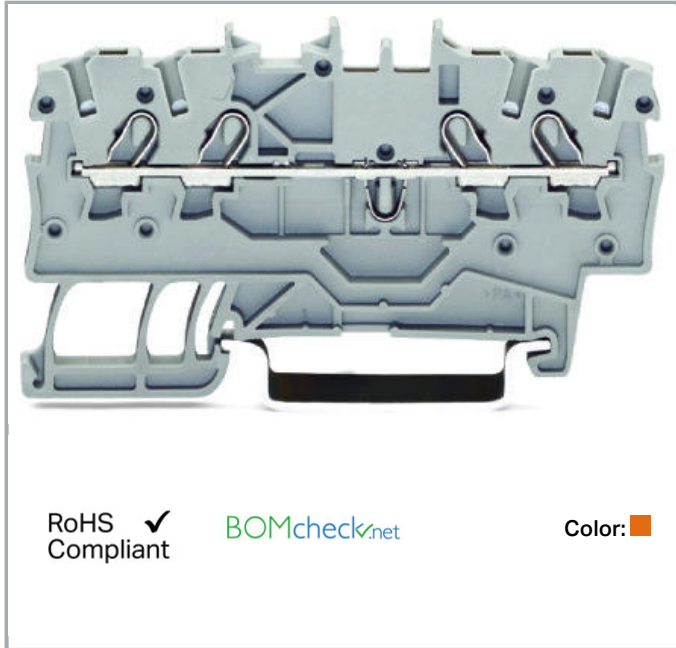


Data sheet | Item number: 2000-1402

4-conductor through 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; orange

www.wago.com/2000-1402



Data

Electrical data

Ratings per IEC/EN 60664-1

Ratings per	IEC/EN 60947-7-1
Nominal voltage (III/3)	800 V
Rated surge voltage (III/3)	8 kV
Rated current	13.5 A
Rated current 2	17.5 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Approvals per UL 1059

Rated voltage UL (Use Group B)	600 V
Rated current UL (Use Group B)	15 A
Rated voltage UL (Use Group C)	600 V
Rated current UL (Use Group C)	15 A

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

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Approvals per CSA

Rated voltage CSA (Use Group B)	600 V
Rated current CSA (Use Group B)	10 A
Rated voltage CSA (Use Group C)	600 V
Rated current CSA (Use Group C)	10 A

Approvals Ex

Rated voltage EN (Ex e II)	550 V
Rated current (Ex e II)	13 A
Rated current (Ex e II) with jumper	12 A

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

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Mechanical data

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

Material Data

Color	orange
Insulation material	Polyamide 66 (PA 66)
Fire load	0.107 MJ
Weight	5.1 g

Commercial data

Product Group	22 (TOPJOB S)
Packaging type	BOX
Country of origin	CN
GTIN	4045454966935
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

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

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Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 60947	71-102841
	CSA DEKRA Certification B.V.	C22.2 No. 158	2130762

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

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

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Compatible products

Push-In type wire jumper



Item no.: 2009-402

Push-in type wire jumper; 0.75 mm²; insulated; 60 mm long; gray

www.wago.com/2009-402



Item no.: 2009-404

Push-in type wire jumper; 0.75 mm²; insulated; 110 mm long; gray

www.wago.com/2009-404



Item no.: 2009-406

Push-in type wire jumper; 0.75 mm²; insulated; 250 mm long; gray

www.wago.com/2009-406

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

Jumper



Item no.: 2000-402

Push-in type jumper bar; insulated; 2-way; Nominal current 14 A; light gray

www.wago.com/2000-402



Item no.: 2000-402/000-005

Push-in type jumper bar; insulated; 2-way; Nominal current 14 A; red

www.wago.com/2000-402/000-005



Item no.: 2000-402/000-006

Push-in type jumper bar; insulated; 2-way; Nominal current 14 A; blue

www.wago.com/2000-402/000-006



Item no.: 2000-402/000-018

Push-in type jumper bar; insulated; 2-way; Nominal current 14 A; yellow-green

www.wago.com/2000-402/000-018



Item no.: 2000-403

Push-in type jumper bar; insulated; 3-way; Nominal current 14 A; light gray

www.wago.com/2000-403

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

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**Item no.: 2000-403/000-005**

Push-in type jumper bar; insulated; 3-way; Nominal current 14 A; red

www.wago.com/2000-403/000-005**Item no.: 2000-403/000-006**

Push-in type jumper bar; insulated; 3-way; Nominal current 14 A; blue

www.wago.com/2000-403/000-006**Item no.: 2000-404**

Push-in type jumper bar; insulated; 4-way; Nominal current 14 A; light gray

www.wago.com/2000-404**Item no.: 2000-404/000-005**

Push-in type jumper bar; insulated; 4-way; Nominal current 14 A; red

www.wago.com/2000-404/000-005**Item no.: 2000-404/000-006**

Push-in type jumper bar; insulated; 4-way; Nominal current 14 A; blue

www.wago.com/2000-404/000-006**Item no.: 2000-405**

Push-in type jumper bar; insulated; 5-way; Nominal current 14 A; light gray

www.wago.com/2000-405**Item no.: 2000-405/000-005**

Push-in type jumper bar; insulated; 5-way; Nominal current 14 A; red

www.wago.com/2000-405/000-005**Item no.: 2000-405/000-006**

Push-in type jumper bar; insulated; 5-way; Nominal current 14 A; blue

www.wago.com/2000-405/000-006**Item no.: 2000-405/011-000**

Star point jumper; insulated; 3-way (1-3-5); IN = IN terminal block; light gray

www.wago.com/2000-405/011-000**Item no.: 2000-406**

Push-in type jumper bar; insulated; 6-way; Nominal current 14 A; light gray

www.wago.com/2000-406**Item no.: 2000-406/000-005**

Push-in type jumper bar; insulated; 6-way; Nominal current 14 A; red

www.wago.com/2000-406/000-005**Item no.: 2000-406/000-006**

Push-in type jumper bar; insulated; 6-way; Nominal current 14 A; blue

www.wago.com/2000-406/000-006**Item no.: 2000-406/020-000**

Delta jumper; insulated; 1-2 3-4 5-6; IN = IN terminal block; light gray

www.wago.com/2000-406/020-000**Item no.: 2000-407**

Push-in type jumper bar; insulated; 7-way; Nominal current 14 A; light gray

www.wago.com/2000-407**Item no.: 2000-407/000-005**

Push-in type jumper bar; insulated; 7-way; Nominal current 14 A; red

www.wago.com/2000-407/000-005

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

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Item no.: 2000-407/000-006
Push-in type jumper bar; insulated; 7-way; Nominal current 14 A; blue

www.wago.com/2000-407/000-006

Item no.: 2000-408
Push-in type jumper bar; insulated; 8-way; Nominal current 14 A; light gray

www.wago.com/2000-408

Item no.: 2000-408/000-005
Push-in type jumper bar; insulated; 8-way; Nominal current 14 A; red

www.wago.com/2000-408/000-005

Item no.: 2000-408/000-006
Push-in type jumper bar; insulated; 8-way; Nominal current 14 A; blue

www.wago.com/2000-408/000-006

Item no.: 2000-409
Push-in type jumper bar; insulated; 9-way; Nominal current 14 A; light gray

www.wago.com/2000-409

Item no.: 2000-409/000-005
Push-in type jumper bar; insulated; 9-way; Nominal current 14 A; red

www.wago.com/2000-409/000-005

Item no.: 2000-409/000-006
Push-in type jumper bar; insulated; 9-way; Nominal current 14 A; blue

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

Item no.: 2000-410
Push-in type jumper bar; insulated; 10-way; Nominal current 14 A; light gray

www.wago.com/2000-410

Item no.: 2000-410/000-005
Push-in type jumper bar; insulated; 10-way; Nominal current 14 A; red

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

Item no.: 2000-410/000-006
Push-in type jumper bar; insulated; 10-way; Nominal current 14 A; blue

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

Item no.: 2000-433
Push-in type jumper bar; insulated; from 1 to 3; Nominal current 14 A; light gray

www.wago.com/2000-433

Item no.: 2000-433/000-005
Push-in type jumper bar; insulated; from 1 to 3; Nominal current 14 A; red

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

Item no.: 2000-433/000-006
Push-in type jumper bar; insulated; from 1 to 3; Nominal current 14 A; blue

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

Item no.: 2000-434
Push-in type jumper bar; insulated; from 1 to 4; Nominal current 14 A; light gray

www.wago.com/2000-434

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

**Item no.: 2000-435**

Push-in type jumper bar; insulated; from 1 to 5; Nominal current 14 A; light gray

www.wago.com/2000-435**Item no.: 2000-436**

Push-in type jumper bar; insulated; from 1 to 6; Nominal current 14 A; light gray

www.wago.com/2000-436**Item no.: 2000-437**

Push-in type jumper bar; insulated; from 1 to 7; Nominal current 14 A; light gray

www.wago.com/2000-437**Item no.: 2000-438**

Push-in type jumper bar; insulated; from 1 to 8; Nominal current 14 A; light gray

www.wago.com/2000-438**Item no.: 2000-439**

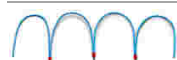
Push-in type jumper bar; insulated; from 1 to 9; Nominal current 14 A; light gray

www.wago.com/2000-439**Item no.: 2000-440**

Push-in type jumper bar; insulated; from 1 to 10; Nominal current 14 A; light gray

www.wago.com/2000-440**Item no.: 210-103**

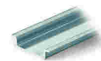
Wire commoning chain; insulated; black

www.wago.com/210-103**Item no.: 210-123**

Wire commoning chain; insulated; blue

www.wago.com/210-123**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**

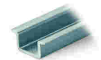
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715

www.wago.com/210-113**Item no.: 210-114**

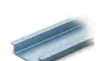
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715

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**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

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

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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

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



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

check



Item no.: 2000-510
TOPJOB®S L-type test plug module; modular; for jumper contact slot; 1,00 mm²; gray

www.wago.com/2000-510

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

	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
	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
ferrule		
	Item no.: 216-241 Ferrule; Sleeve for 0.5 mm ² / 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 mm ² / 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	

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



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

Downloads Documentation

Bid Text

2000-1402 GAEB X81 - Datei	Feb 19, 2019	xml 4.0 kB	Download
2000-1402 GAEB docx - Datei	Aug 7, 2018	docx 14.9 kB	Download

CAD/CAE-Data

CAD data

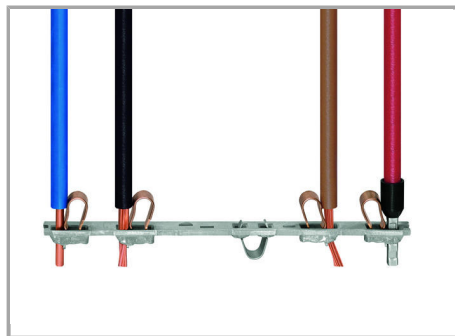
2D/3D Models 2000-1402	URL	Download
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CAE data

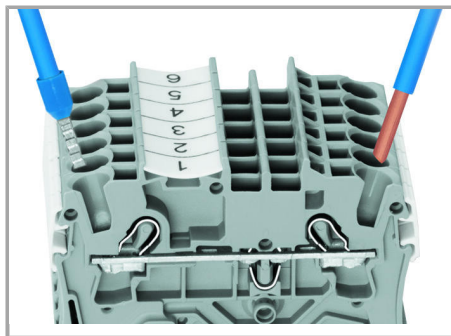
EPLAN Data Portal 2000-1402	URL	Download
WSCAD Universe 2000-1402	URL	Download

Installation Notes

Conductor termination



All conductor types at a glance

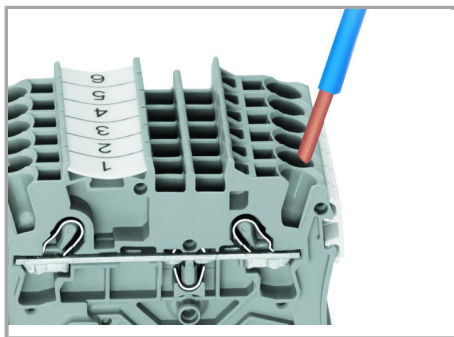


Terminating solid and ferruled conductors via push-in connection.

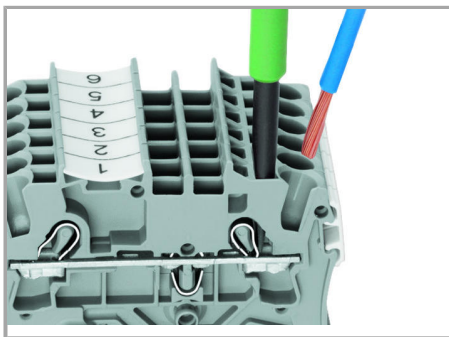
Subject to changes. Please also observe the further product documentation!

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Inserting conductors via push-in termination.



Inserting a conductor via operating tool.

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.

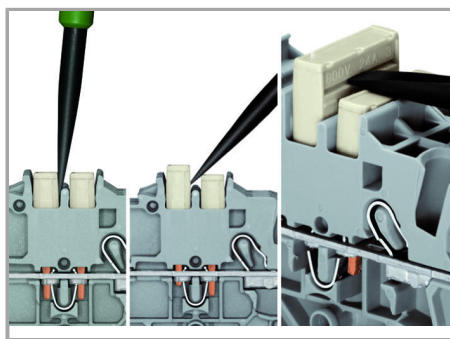
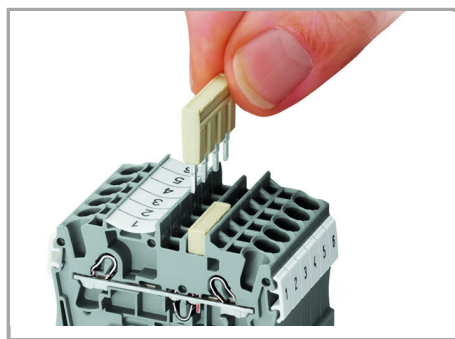
Connecting fine-stranded conductors without ferrules, or small cross-sectional conductors that cannot be pushed in, is performed similarly to the original CAGE CLAMP® – just use an operating tool.

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

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



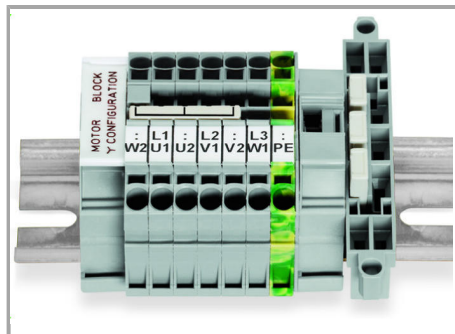
The push-in type jumper bar system is based on the common plug and socket principle. Each terminal block is spring-loaded with a double socket and a resilient CrNi steel spring. The jumper contact material is pure electrolytic copper, which allows for an extremely small design capable of carrying the 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.

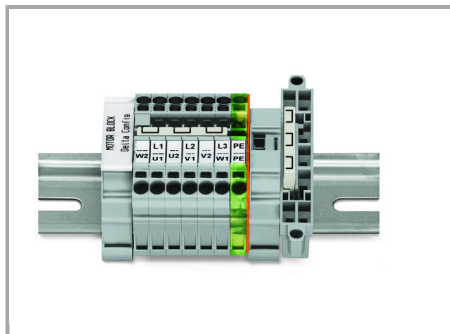
Insert the operating tool between the jumper and the partition wall of the dual jumper slots, then lift up the jumper.

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.

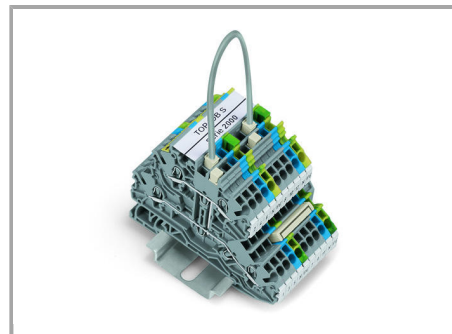
Commoning



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.



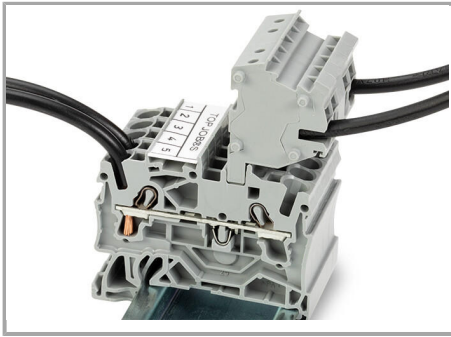
This delta jumper has been specially developed to create a delta configuration and is used on motor terminal boards equipped with TOPJOB® S rail-mount terminal blocks.



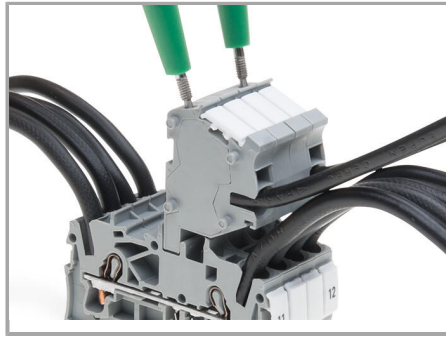
Push down the wire jumper (2009-402) until fully inserted. Lift the jumper with an operating tool for rewiring.

Testing

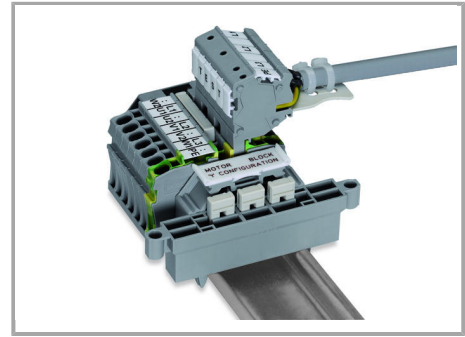
Subject to changes. Please also observe the further product documentation!



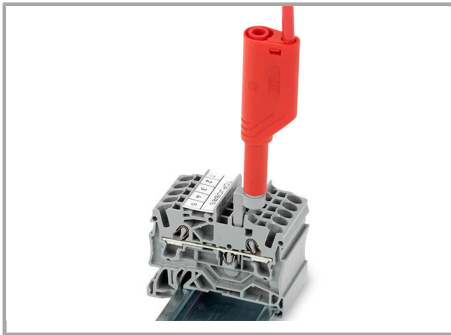
The modular TOPJOB® S connectors also connect conductors of the same size as the terminal blocks being used.



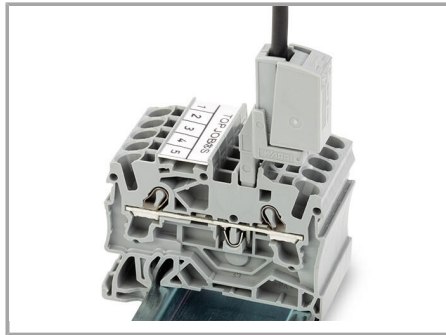
TOPJOB® S Connectors with a 2 mm Ø test socket for testing voltage via 2-pole voltage tester



Rail-mount terminal block assembly for electric motor wiring

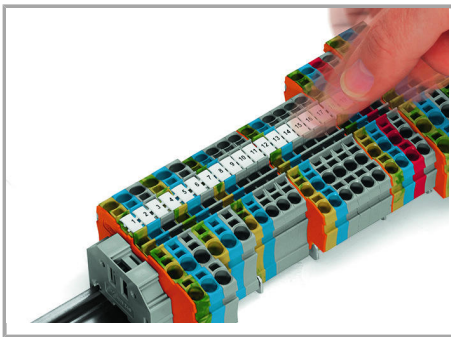


Test plug adapter (2009-174, CAT II) for 4 mm Ø plugs – compatible with 2000 to 2016 Series

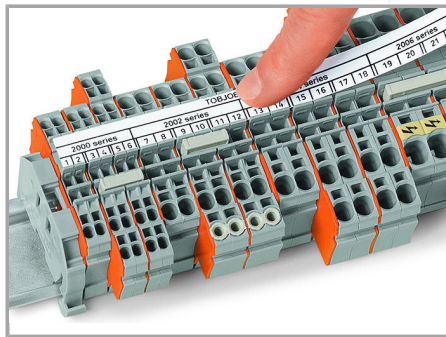


Testing tap (2009-182) for tool-free connection of test cables up to 2.5 mm² (12 AWG) – compatible with 2000 to 2016 Series

Marking



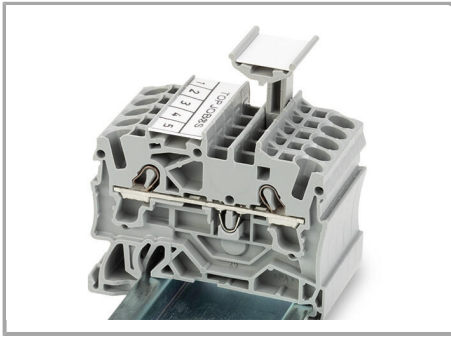
Snapping WMB Inline markers into marker slots.



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

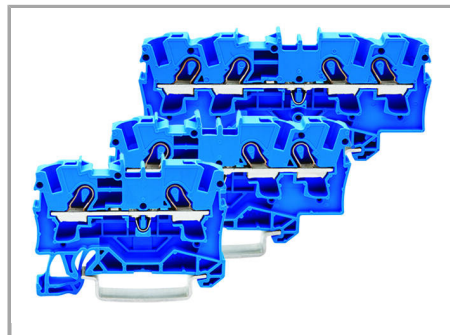
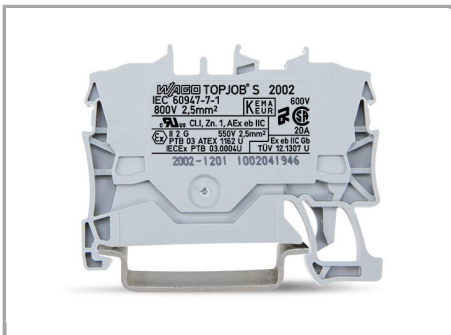
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TOPJOB® S 2009-193 Group Marker Carrier
(equipped with a marking strip) for all 2001 to
2016 Series TOPJOB® S Rail-Mount Terminal
Blocks

Do not use on an end plate!

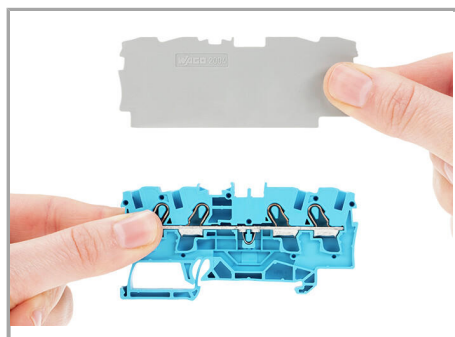


Through terminal blocks with a blue
insulated housing are suitable for Ex i
applications.



All through and ground conductor terminal
blocks are suitable for Ex e II applications.

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



Separator for Ex e/Ex applications

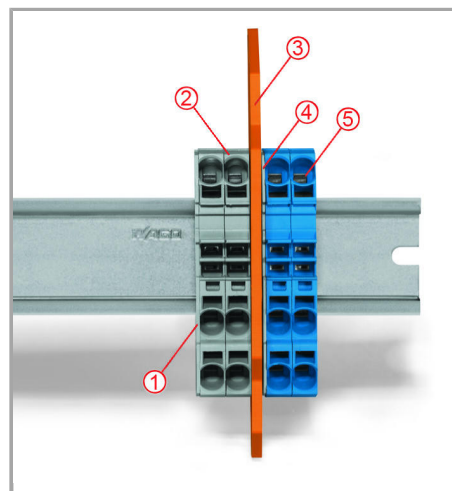


Ex e II/Ex i terminal strip

An end plate must be applied to the terminal block located directly behind an Ex e/Ex i separator plate.

Notice:

The movable feet of terminal blocks and separator plates must face the same direction.



Separator located between Ex e II and Ex i terminal strip

End plate

Ex e II terminal blocks

Separator for Ex e/Ex i applications

End plate

Ex i terminal blocks

According to EN 50020, a minimum distance of 50 mm must be kept between live parts of Ex e and Ex i circuits. The use of Ex e/Ex i separators is a space-saving solution when Ex e and Ex i terminal blocks are mounted on a common carrier rail.

Product family

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

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TOPJOB® S

TOPJOB® S: In various industrial applications and modern building installations, WAGO's wide and versatile range of rail-mount terminal blocks provides more than just reliable electrical connections.

[Show all products from the family](#)

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