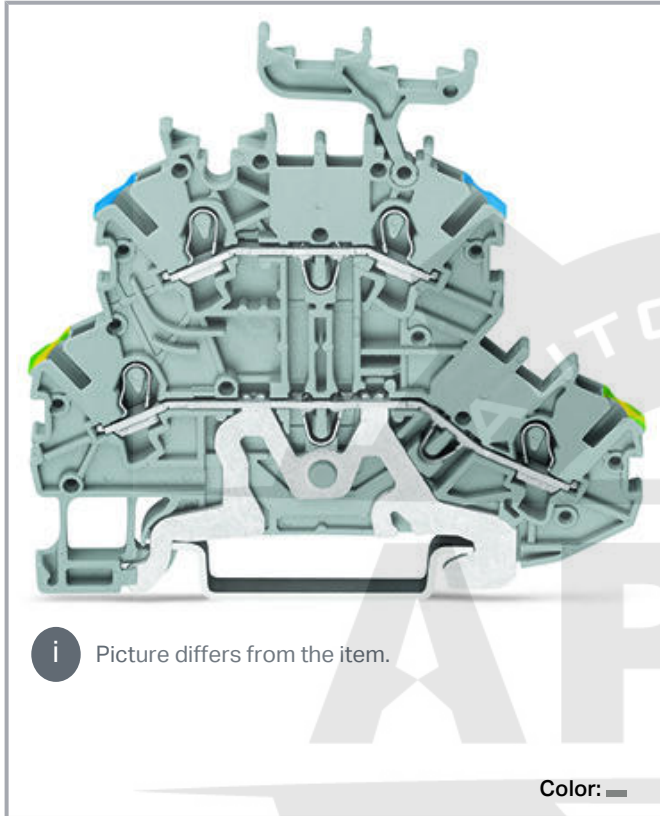


Data sheet | Item number: 2000-2227

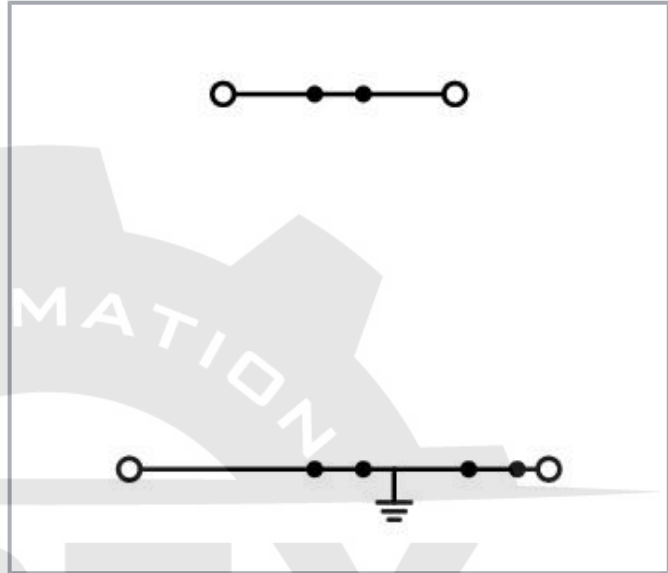
TOPJOB®S double-deck terminal block; ground/through (PE/L); rail mount; 2-conductor; 3.5 mm wide; gray

www.wago.com/2000-2227



 Picture differs from the item.

Color: 



Data

Electrical data

IEC Approvals

Ratings per	IEC/EN 60947-7-1
Rated voltage (III / 3)	500 V
Rated surge voltage (III/3)	6 kV
Rated current	13.5 A
Rated current 2	16 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

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

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UL Approvals

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

CSA Approvals

Approvals per	C22.2 No 158
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

Ex information

Ratings per	ATEX: PTB 11 ATEX 1041 U / IECEx: PTB 11.0093U (Ex eb IIC Gb)
Rated voltage EN (Ex e II)	350 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®
Number of connection points	2
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	0.14 ... 0.75 mm² / 24 ... 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 ... 0.75 mm² / 20 ... 18 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 inch

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Number of connection points 2	2
Total number of connection points	4
Total number of potentials	2
Number of levels	2
Wiring direction	Front-entry wiring

Physical data

Width	3.5 mm / 0.138 inch
Height	69.7 mm / 2.744 inch
Depth from upper edge of DIN-rail	51.7 mm / 2.035 inch

Mechanical data

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

Material data

Color	gray
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.142 MJ
Weight	9.4 g

Commercial data

Product Group	22 (TOPJOB S)
Packaging type	BOX
Country of origin	CN
GTIN	4055143274111
Customs tariff number	8536904000

Approvals / Certificates

Ex-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	AEx Underwriters Laboratories Inc.	UL 60079	E185892

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AEx

	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)
	CCCEX CQST/CNEx	CNCA-C23-01	2020312313000182
	EAC Brjansker Zertifizierungsstelle	TP TC 012/2011	RU C-DE.AM02.B. 00127/19
	IECEX Physikalisch Technische Bundesanstalt	IEC 60079	IECEX PTB 11.0093 U (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
	CCA DEKRA Certification B.V.	EN 60947	NTR NL 7671

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc.	UL 1059	20190930- E45172

Required accessories

End plates

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	Item no.: 2000-2291 TOPJOB®S end/intermediate plate; for 2000-22xx series terminal blocks; 0.7 mm wide; gray	www.wago.com/2000-2291
	Item no.: 2000-2292 TOPJOB®S end/intermediate plate; for 2000-22xx series terminal blocks; 0.7 mm wide; orange	www.wago.com/2000-2292

Optional accessories

Ferrules

	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 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red	www.wago.com/216-243

Tools

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

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; silver-colored	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; silver-colored	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; silver-colored	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; silver-colored	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; silver-colored	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; silver-colored	www.wago.com/210-197

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

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**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**Marking accessories****Item no.: 2000-121**

Adaptor; gray

www.wago.com/2000-121**Item no.: 2009-110**

Marking strips; for Smart Printer; 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.: 793-3501**

WMB marking card; as card; plain; snap-on type; white

www.wago.com/793-3501**Protective warning marker****Item no.: 2000-115**

TOPJOB'S protective warning marker; with high-voltage symbol, for 2000 series terminal blocks; for 5 terminal blocks

www.wago.com/2000-115

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

Push-in type wire jumper

	Item no.: 2009-402 TOPJOB®S wire jumper; insulated; 60 mm long; conductor cross section 0.75 mm ² ; suitable for 2000 and 2020 series terminal blocks; gray	www.wago.com/2009-402
	Item no.: 2009-404 TOPJOB®S wire jumper; insulated; 110 mm long; conductor cross section 0.75 mm ² ; suitable for 2000 and 2020 series terminal blocks; gray	www.wago.com/2009-404
	Item no.: 2009-406 TOPJOB®S wire jumper; insulated; 250 mm long; conductor cross section 0.75 mm ² ; suitable for 2000 and 2020 series terminal blocks; gray	www.wago.com/2009-406

Jumpers

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

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

	Item no.: 2000-405/000-005 TOPJOB®S jumper; for 2000 series; insulated; 5-way; red	www.wago.com/2000-405/000-005
	Item no.: 2000-405/000-006 TOPJOB®S jumper; for 2000 series; insulated; 5-way; blue	www.wago.com/2000-405/000-006
	Item no.: 2000-405/011-000 TOPJOB®S jumper; Wye configuration; for 2000 series; insulated; 3-way (1-3-5); light-gray	www.wago.com/2000-405/011-000
	Item no.: 2000-406 TOPJOB®S jumper; for 2000 series; insulated; 6-way; light-gray	www.wago.com/2000-406
	Item no.: 2000-406/000-005 TOPJOB®S jumper; for 2000 series; insulated; 6-way; red	www.wago.com/2000-406/000-005
	Item no.: 2000-406/000-006 TOPJOB®S jumper; for 2000 series; insulated; 6-way; blue	www.wago.com/2000-406/000-006
	Item no.: 2000-406/020-000 TOPJOB®S jumper; Delta configuration; for 2000 series; insulated; 6-way (1-2, 3-4, 5-6); light-gray	www.wago.com/2000-406/020-000
	Item no.: 2000-407 TOPJOB®S jumper; for 2000 series; insulated; 7-way; light-gray	www.wago.com/2000-407
	Item no.: 2000-407/000-005 TOPJOB®S jumper; for 2000 series; insulated; 7-way; red	www.wago.com/2000-407/000-005
	Item no.: 2000-407/000-006 TOPJOB®S jumper; for 2000 series; insulated; 7-way; blue	www.wago.com/2000-407/000-006
	Item no.: 2000-408 TOPJOB®S jumper; for 2000 series; insulated; 8-way; light-gray	www.wago.com/2000-408
	Item no.: 2000-408/000-005 TOPJOB®S jumper; for 2000 series; insulated; 8-way; red	www.wago.com/2000-408/000-005
	Item no.: 2000-408/000-006 TOPJOB®S jumper; for 2000 series; insulated; 8-way; blue	www.wago.com/2000-408/000-006
	Item no.: 2000-409 TOPJOB®S jumper; for 2000 series; insulated; 9-way; light-gray	www.wago.com/2000-409
	Item no.: 2000-409/000-005 TOPJOB®S jumper; for 2000 series; insulated; 9-way; red	www.wago.com/2000-409/000-005

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

	Item no.: 2000-409/000-006 TOPJOB®S jumper; for 2000 series; insulated; 9-way; blue	www.wago.com/2000-409/000-006
	Item no.: 2000-410 TOPJOB®S jumper; for 2000 series; insulated; 10-way; light-gray	www.wago.com/2000-410
	Item no.: 2000-410/000-005 TOPJOB®S jumper; for 2000 series; insulated; 10-way; red	www.wago.com/2000-410/000-005
	Item no.: 2000-410/000-006 TOPJOB®S jumper; for 2000 series; insulated; 10-way; blue	www.wago.com/2000-410/000-006
	Item no.: 2000-433 TOPJOB®S jumper; for 2000 series; insulated; 2-way (1-3); light-gray	www.wago.com/2000-433
	Item no.: 2000-433/000-005 TOPJOB®S jumper; for 2000 series; insulated; 2-way (1-3); red	www.wago.com/2000-433/000-005
	Item no.: 2000-433/000-006 TOPJOB®S jumper; for 2000 series; insulated; 2-way (1-3); blue	www.wago.com/2000-433/000-006
	Item no.: 2000-434 TOPJOB®S jumper; for 2000 series; insulated; 2-way (1-4); light-gray	www.wago.com/2000-434
	Item no.: 2000-435 TOPJOB®S jumper; for 2000 series; insulated; 2-way (1-5); light-gray	www.wago.com/2000-435
	Item no.: 2000-436 TOPJOB®S jumper; for 2000 series; insulated; 2-way (1-6); light-gray	www.wago.com/2000-436
	Item no.: 2000-437 TOPJOB®S jumper; for 2000 series; insulated; 2-way (1-7); light-gray	www.wago.com/2000-437
	Item no.: 2000-438 TOPJOB®S jumper; for 2000 series; insulated; 2-way (1-8); light-gray	www.wago.com/2000-438
	Item no.: 2000-439 TOPJOB®S jumper; for 2000 series; insulated; 2-way (1-9); light-gray	www.wago.com/2000-439
	Item no.: 2000-440 TOPJOB®S jumper; for 2000 series; insulated; 2-way (1-10); light-gray	www.wago.com/2000-440
	Item no.: 2000-492 TOPJOB®S double-deck vertical jumper; for 2000 series; insulated; double-deck; light-gray	www.wago.com/2000-492
	Item no.: 210-103 Wire commoning chain; insulated; black	www.wago.com/210-103

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

	Item no.: 210-123 Wire commoning chain; insulated; blue	www.wago.com/210-123
Testing accessories		
	Item no.: 2009-174 TOPJOB®S test plug adapter; for test plug 4 mm Ø; for testing TOPJOB®S terminal blocks; gray	www.wago.com/2009-174
	Item no.: 2009-182 TOPJOB®S testing tap; tool-free; 12 AWG max; for testing TOPJOB®S terminal blocks; gray	www.wago.com/2009-182

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2000-2227 X81 - Datei	Feb 19, 2019	xml 3.9 kB	Download
2000-2227 docx - Datei	Aug 7, 2018	docx 15.0 kB	Download

Additional Information

Technical explanations	Apr 3, 2019	pdf 2.2 MB	Download
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CAD files**CAD data**

2D/3D Models 2000-2227	URL	Download
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CAE data

EPLAN Data Portal 2000-2227	URL	Download
WSCAD Universe 2000-2227	URL	Download
ZUKEN Portal 2000-2227	URL	Download

Environmental Product Compliance**Compliance Search**

Environmental Product Compliance 2000-2227	URL	Download
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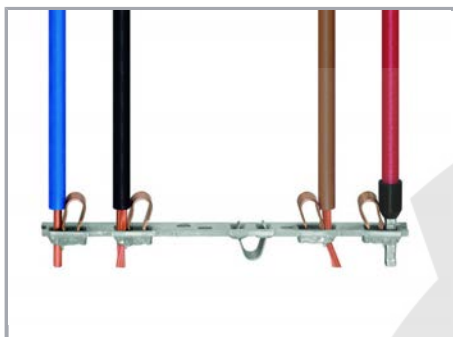
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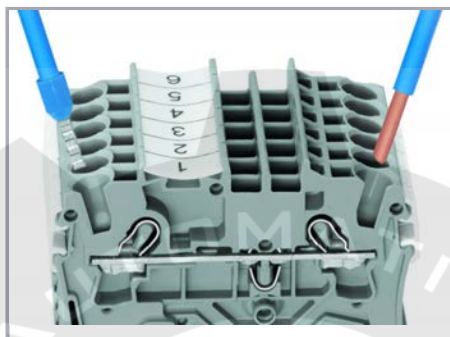
Double-deck terminal block; Shield/through terminal block; 1 mm²; PE/L; without marker carrier; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 1,00 mm²; gray

Installation Notes

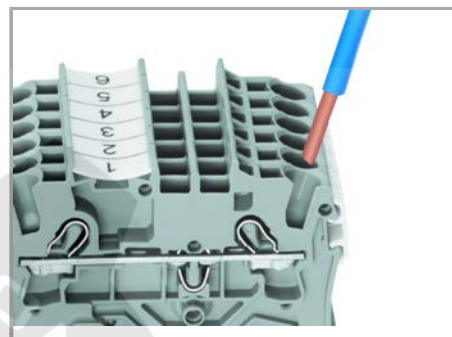
Conductor termination



All conductor types at a glance



Push-in termination of solid and ferruled conductors



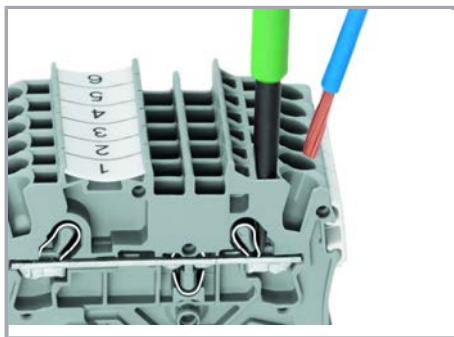
Inserting a conductor via push-in termination:

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.

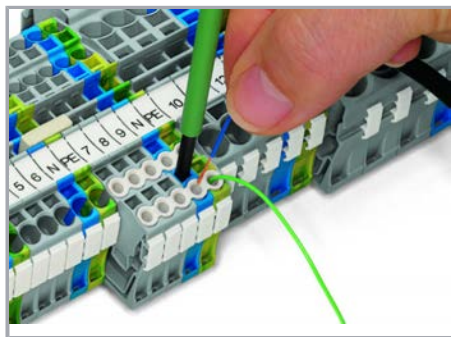
Subject to changes. Please also observe the further product documentation!

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Inserting a conductor via operating tool:



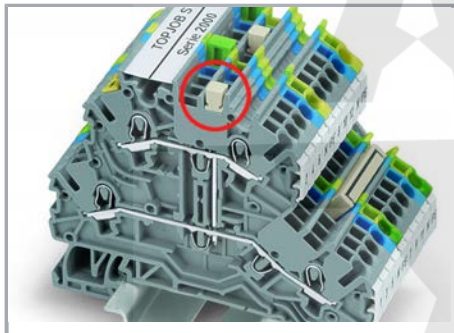
Conductor termination – insulation stop

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.

Commoning



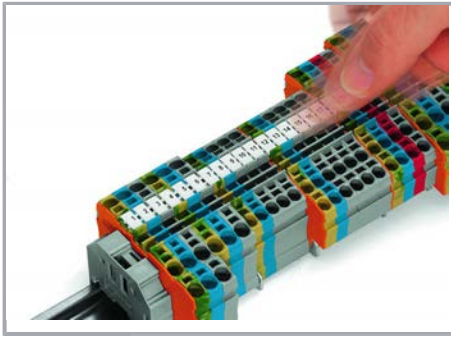
Commoning two levels via double-deck vertical jumper (2000-492).

Marking

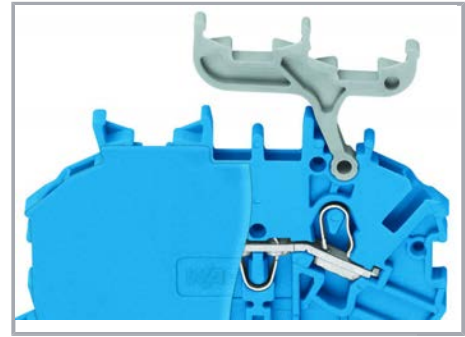
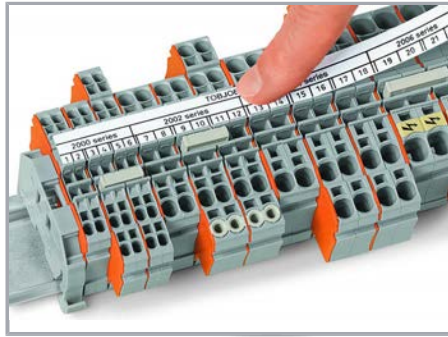
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Snapping WMB Inline markers into marker slots.



Double-Deck Terminal Blocks

A double-deck marker carrier (2000-121) can be retrofitted to double-deck terminal blocks without a marker carrier.

Product family

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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