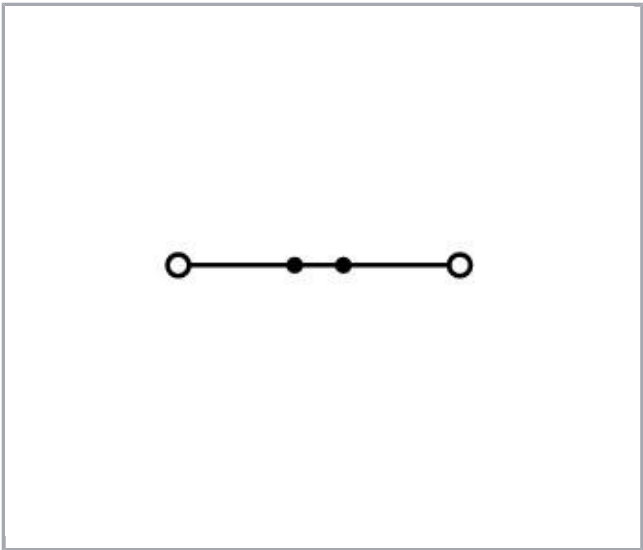


Data sheet | Item number: 2000-1202

2-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



Data
Electrical data

Ratings per IEC/EN 60664-1

Rated voltage (III / 3)	800 V
Rated impulse 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

Subject to changes.



Rated voltage UL (Use Group C)	600 V
Rated current UL (Use Group C)	15 A
Approvals per	UL 1059

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 ferrule with plastic collar	0.5 ... 0.75 mm² / 20 ... 18 AWG
Fine-stranded conductor with ferrule, push-in termination, from	0.5 ... 0.75 mm² / 20 ... 18 AWG
Strip length	9 ... 11 mm / 0.35 ... 0.43 inch
Total number of connection points	2
Total number of potentials	1
Number of levels	1
Type of wiring	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
-------	---------------------

Subject to changes.



Height from upper-edge of DIN-35 rail	32.9 mm / 1.295 inch
Depth	48.5 mm / 1.909 inch

Mechanical data

Design	horizontal
Type of mounting	DIN-35 rail
Marking level	Center/side marking

Material Data

Color	orange
Insulating material	Polyamide 66 (PA 66)
Fire load	0.079 MJ
Weight	3.6 g

Commercial data

Product Group	22 (TOPJOB S)
Packaging type	BOX
Country of origin	CN
GTIN	4045454966775
Customs Tariff No.	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)

Country specific Approvals

Certificate

Subject to changes.

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

	CSA DEKRA Certification B.V.	C22.2 No. 158	2130762
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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)

Compatible products

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

Subject to changes.



25 mm

**Item no.: 210-113**

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

**Item no.: 210-114**

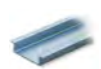
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715

**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

**Item no.: 210-118**

Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715

**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.: 210-197**

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

**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

Protective Warning Marker**Item no.: 2000-115**

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

Jumper**Item no.: 2000-402**

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

**Item no.: 2000-402/000-005**

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

**Item no.: 2000-402/000-006**

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

**Item no.: 2000-402/000-018**

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

**Item no.: 2000-403**

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

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

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

Subject to changes.

**Item no.: 2000-403/000-006**

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

**Item no.: 2000-404**

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

**Item no.: 2000-404/000-005**

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

**Item no.: 2000-404/000-006**

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

**Item no.: 2000-405**

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

**Item no.: 2000-405/000-005**

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

**Item no.: 2000-405/000-006**

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

**Item no.: 2000-405/011-000**

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

**Item no.: 2000-406**

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

**Item no.: 2000-406/000-005**

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

**Item no.: 2000-406/000-006**

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

**Item no.: 2000-406/020-000**

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

**Item no.: 2000-407**

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

**Item no.: 2000-407/000-005**

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

Subject to changes.

**Item no.: 2000-407/000-006**

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

**Item no.: 2000-408**

Push-in type jumper bar; insulated; 8-way; Nominal current 14 A; light gray

**Item no.: 2000-408/000-005**

Push-in type jumper bar; insulated; 8-way; Nominal current 14 A; red

**Item no.: 2000-408/000-006**

Push-in type jumper bar; insulated; 8-way; Nominal current 14 A; blue

**Item no.: 2000-409**

Push-in type jumper bar; insulated; 9-way; Nominal current 14 A; light gray

**Item no.: 2000-409/000-005**

Push-in type jumper bar; insulated; 9-way; Nominal current 14 A; red

**Item no.: 2000-409/000-006**

Push-in type jumper bar; insulated; 9-way; Nominal current 14 A; blue

**Item no.: 2000-410**

Push-in type jumper bar; insulated; 10-way; Nominal current 14 A; light gray

**Item no.: 2000-410/000-005**

Push-in type jumper bar; insulated; 10-way; Nominal current 14 A; red

**Item no.: 2000-410/000-006**

Push-in type jumper bar; insulated; 10-way; Nominal current 14 A; blue

**Item no.: 2000-433**

Push-in type jumper bar; insulated; from 1 to 3; Nominal current 14 A; light gray

**Item no.: 2000-433/000-005**

Push-in type jumper bar; insulated; from 1 to 3; Nominal current 14 A; red

**Item no.: 2000-433/000-006**

Push-in type jumper bar; insulated; from 1 to 3; Nominal current 14 A; blue

**Item no.: 2000-434**

Push-in type jumper bar; insulated; from 1 to 4; Nominal current 14 A; light gray

**Item no.: 2000-435**

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

Subject to changes.

**Item no.: 2000-436**

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

**Item no.: 2000-437**

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

**Item no.: 2000-438**

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

**Item no.: 2000-439**

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

**Item no.: 2000-440**

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

**Item no.: 210-103**

Wire commoning chain; insulated; 50 connections; black

**Item no.: 210-123**

Wire commoning chain; insulated; 50 connections

tools**Item no.: 210-647**

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.: 210-719**

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

Push-In type wire jumper**Item no.: 2009-402**Push-in type wire jumper; insulated; wire length 60 mm; Conductor cross section 0.75 mm²; suitable for 2000 and 2020 Series rail-mounted terminal blocks; gray**Item no.: 2009-404**Push-in type wire jumper; insulated; wire length 110 mm; Conductor cross section 0.75 mm²; suitable for 2000 and 2020 Series rail-mounted terminal blocks; gray**Item no.: 2009-406**Push-in type wire jumper; insulated; wire length 250 mm; Conductor cross section 0.75 mm²; suitable for 2000 and 2020 Series rail-mounted terminal blocks; gray**End plate****Item no.: 2000-1291**

End and intermediate plate; 0.7 mm thick; gray

**Item no.: 2000-1292**

End and intermediate plate; 0.7 mm thick; orange

**Item no.: 209-190**

Separator for Ex e/Ex i applications; 3 mm thick; 90 mm wide; orange

Subject to changes.

**Item no.: 209-191**

Separator for Ex e/Ex i applications; 3 mm thick; 120 mm wide; orange

check**Item no.: 2000-510**

TOPJOB®S L-type test plug module; modular; for jumper contact slot; 1,00 mm²; gray

**Item no.: 2000-511**

TOPJOB®S L-type test plug module; modular; for jumper contact slot; 1-pole; 1,00 mm²; gray

**Item no.: 2000-549**

Spacer module; modular; e.g., for bridging commoned terminal blocks; gray

**Item no.: 2000-552**

Modular TOPJOB®S connector; modular; for jumper contact slot; 2-pole; 1,00 mm²; gray

**Item no.: 2000-553**

Modular TOPJOB®S connector; modular; for jumper contact slot; 3-pole; 1,00 mm²; gray

**Item no.: 2000-554**

Modular TOPJOB®S connector; modular; for jumper contact slot; 4-pole; 1,00 mm²; gray

**Item no.: 2000-555**

Modular TOPJOB®S connector; modular; for jumper contact slot; 5-pole; 1,00 mm²; gray

**Item no.: 2000-556**

Modular TOPJOB®S connector; modular; for jumper contact slot; 6-pole; 1,00 mm²; gray

**Item no.: 2000-557**

Modular TOPJOB®S connector; modular; for jumper contact slot; 7-pole; 1,00 mm²; gray

**Item no.: 2000-558**

Modular TOPJOB®S connector; modular; for jumper contact slot; 8-pole; 1,00 mm²; gray

**Item no.: 2000-559**

Modular TOPJOB®S connector; modular; for jumper contact slot; 9-pole; 1,00 mm²; gray

**Item no.: 2000-560**

Modular TOPJOB®S connector; modular; for jumper contact slot; 10-pole; 1,00 mm²; 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 t

**Item no.: 210-136**

Test plug; 2 mm Ø; with 500 mm cable; red

**Item no.: 210-137**

Test plug; 2.3 mm Ø; with 500 mm cable; yellow

ferrule

Subject to changes.

**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

Marking accessories**Item no.: 2009-110**

Marking strips; on reel; not stretchable; plain; snap-on type; white

**Item no.: 2009-113**

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; white

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

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; white

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

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; white

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

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; white

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

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; white

**Item no.: 2009-113/000-012**

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; white

**Item no.: 2009-113/000-017**

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; white

**Item no.: 2009-113/000-023**

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; white

**Item no.: 2009-113/000-024**

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; white

**Item no.: 2009-191**

Group marker carrier

Subject to changes.



Item no.: 793-3501
WMB marking card; as card; plain; snap-on type; white

Downloads

Documentation

Additional Information

Technical explanations

Apr 3, 2019

CAD/CAE-Data

CAD data

2D/3D Models 2000-1202

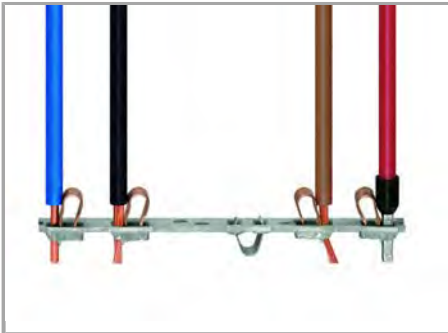
CAE data

EPLAN Data Portal 2000-1202

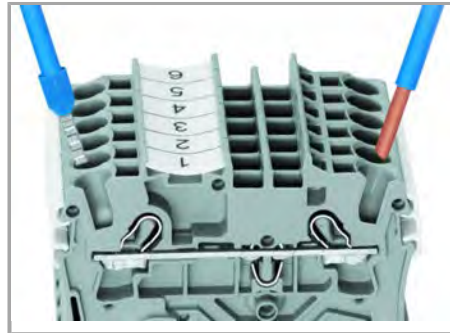
WSCAD Universe 2000-1202

Installation Notes

Inserting a conductor

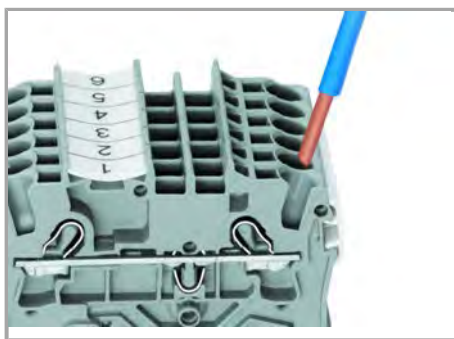


All conductor types at a glance

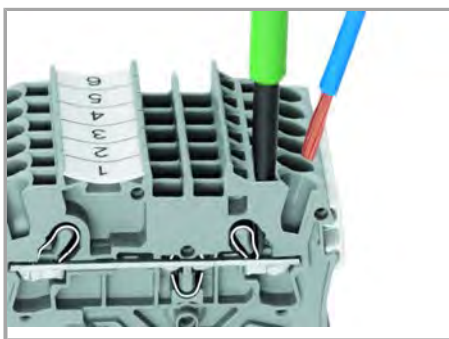


Terminating solid and ferruled conductors via push-in connection.

Subject to changes.



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.

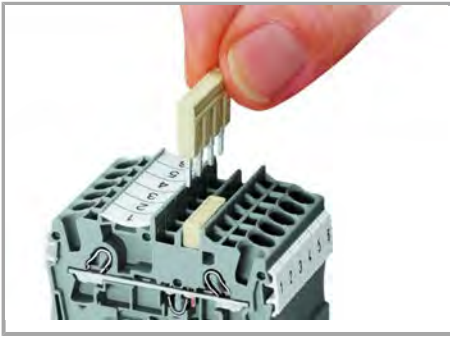
Connecting fine-stranded conductors without ferrules, or small cross-sectional conductors that cannot be pushed in, is performed similarly to the original CAGE CLAMP® – just use an operating tool.

The smart feature:

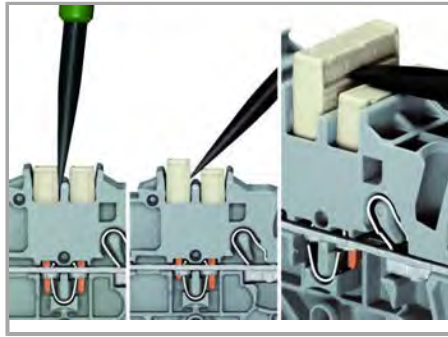
To open the clamp, the operating tool is inserted vertically. The conductor entry is less than 15 degrees for easier wiring.

Jumpered

Subject to changes.



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).

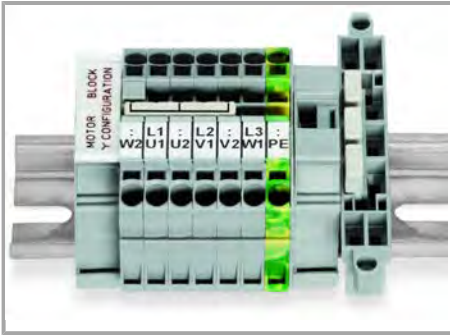


Removing a push-in type jumper bar.

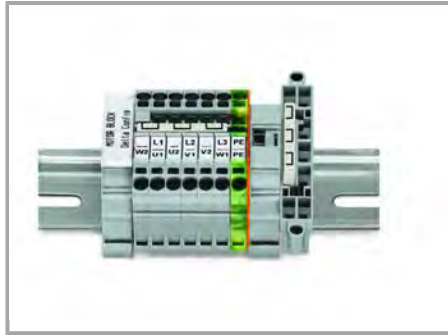
Insert the operating tool between the jumper and the partition wall of the dual jumper slots, then lift up the jumper.

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.

Jumpered



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

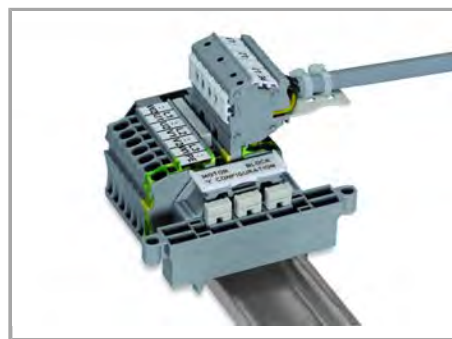
Subject to changes.



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

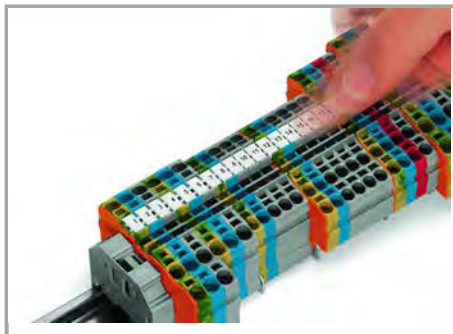


Test plug adapter (2009-174, CAT II) for 4 mm Ø plugs – compatible with 2000 to 2016 Series

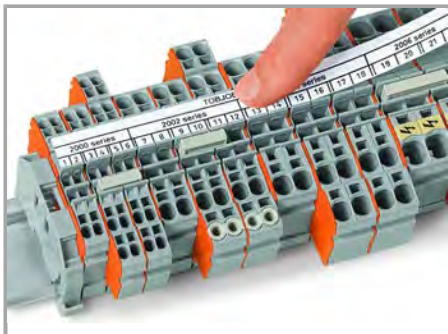


Testing tap (2009-182) for tool-free connection of test cables up to 2.5 mm² (12 AWG) – compatible with 2000 to 2016 Series

Marking



Snapping WMB Inline markers into marker slots.

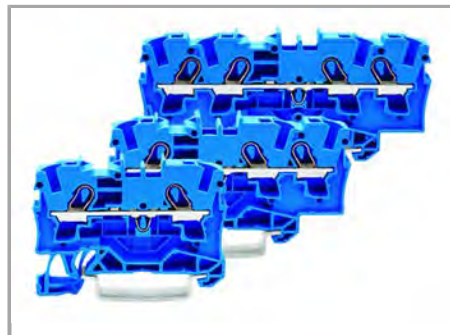


Subject to changes.



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!

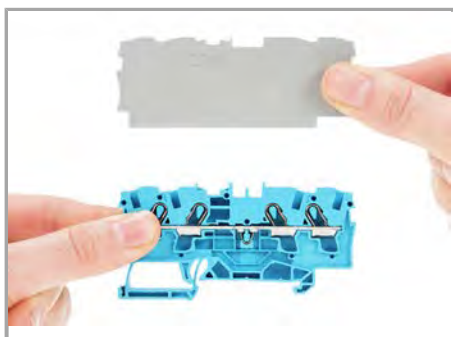


Through terminal blocks with a blue insulated housing are suitable for Ex i applications.



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

Subject to changes.



Separator for Ex e/Ex applications

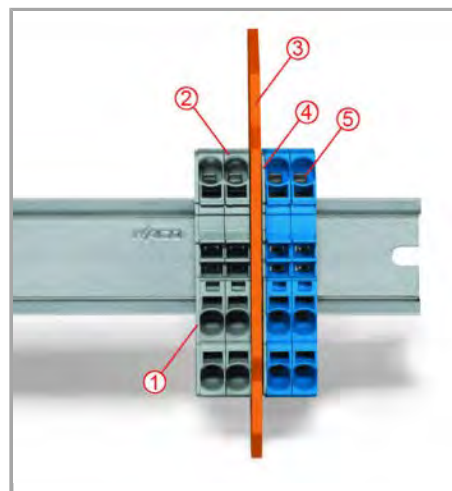


Ex e II/Ex i terminal strip

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

TOPJOB® S

Subject to changes.



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](#)

Subject to changes.
