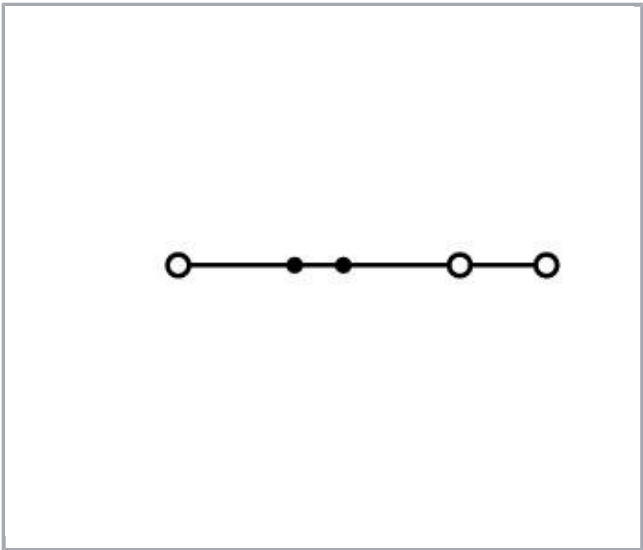
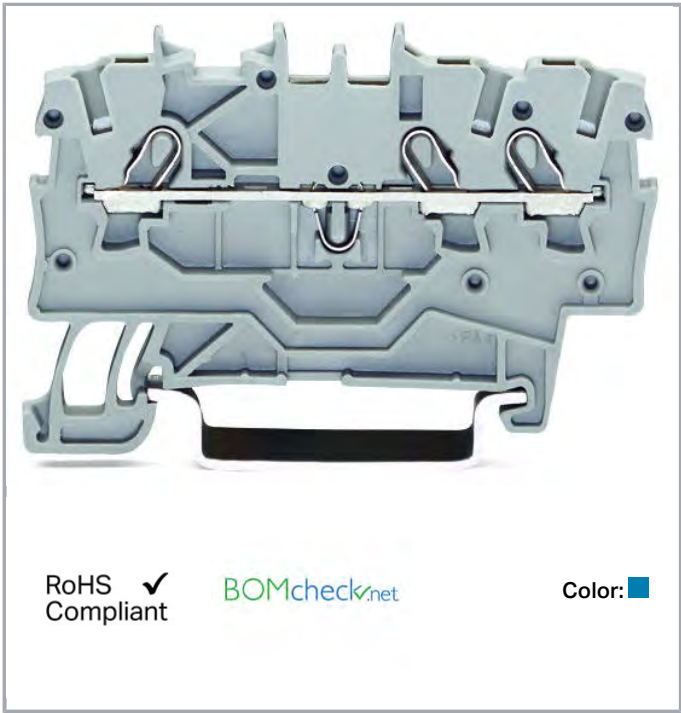


Data sheet | Item number: 2000-1304

3-conductor through terminal block; 1 mm²; for Ex e II and Ex i applications;
side and center marking; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE
CLAMP®; 1,00 mm²; blue



RoHS
Compliant

Color:

Data
Electrical data

Ratings per IEC/EN 60664-1

Ratings per	IEC/EN 60947-7-1
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
Rated voltage UL (Use Group C)	600 V

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



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	3
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
Height from upper-edge of DIN-35 rail	32,9 mm / 1.295 inch

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

Depth	58,2 mm / 2.291 inch
-------	----------------------

Mechanical data

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

Material Data

Color	blue
Insulating material	Polyamide 66 (PA 66)
Fire load	0.092 MJ
Weight	4.3 g

Commercial data

Product Group	22 (TOPJOB S)
Packaging type	BOX
Country of origin	CN
GTIN	4045454966874
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

Logo	Approval	Additional Approval Text	Certificate name
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Subject to changes. Please also observe the further product documentation!



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)

Counterpart

Compatible products

Carrier rail

Item no.: 210-112

Subject to changes.



Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 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

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



Item no.: 2000-403/000-006

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

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



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



Item no.: 2000-407/000-006

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

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



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



Item no.: 2000-436

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

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



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



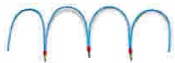
Item no.: 2000-439
Push-in type jumper bar; insulated; from 1 to 9; Nominal current 14 A; light gray



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

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.: 2000-1391
End and intermediate plate; 0.7 mm thick; gray



Item no.: 2000-1392
End and intermediate plate; 0.7 mm thick; orange



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

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

	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 tap; for max. 2.5 mm²; tool-free connection for individual test wires 0.08 - 2.5 mm; gray
	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
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
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

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


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; yellow


Item no.: 2009-113/000-005

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


Item no.: 2009-113/000-006

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


Item no.: 2009-113/000-007

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


Item no.: 2009-113/000-012

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


Item no.: 2009-113/000-017

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


Item no.: 2009-113/000-023

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


Item no.: 2009-113/000-024

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


Item no.: 2009-191

Group marker carrier


Item no.: 793-3501

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

Protective Warning Marker

Item no.: 2000-115

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

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

Downloads Documentation

Additional Information
Technical explanations

Apr 3, 2019

CAD/CAE-Data

CAD data

2D/3D Models 2000-1304

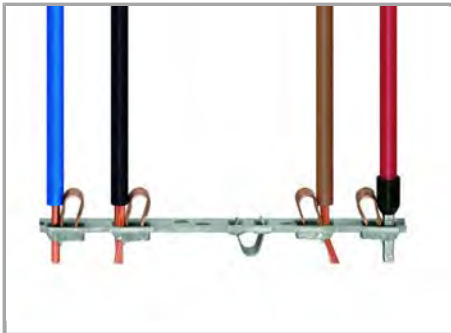
CAE data

EPLAN Data Portal 2000-1304

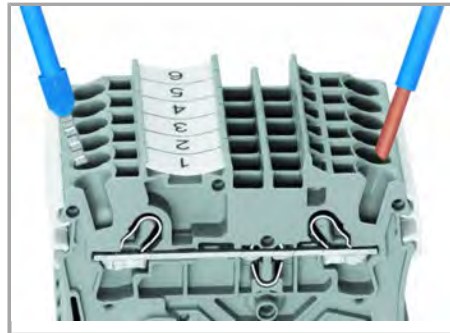
WSCAD Universe 2000-1304

Installation Notes

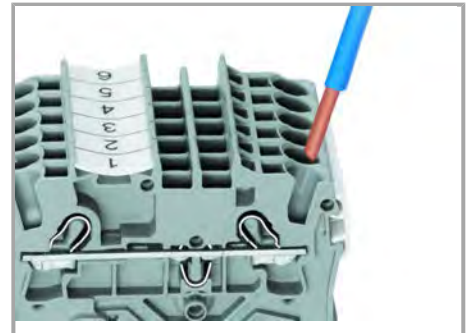
Conductor termination



All conductor types at a glance



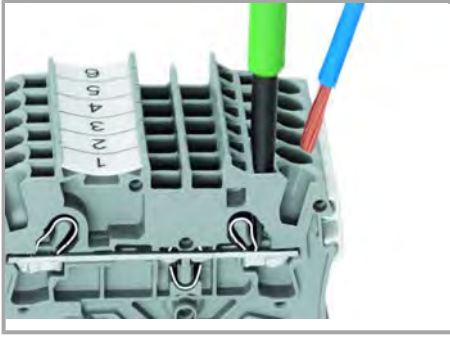
Terminating solid and ferruled conductors via push-in connection.



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.

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



Inserting a conductor via operating tool.

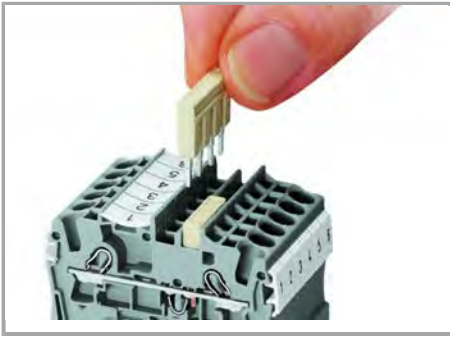
Connecting fine-stranded conductors without ferrules, or small cross-sectional conductors that cannot be pushed in, is performed similarly to the original CAGE CLAMP® – just use an operating tool.

The smart feature:

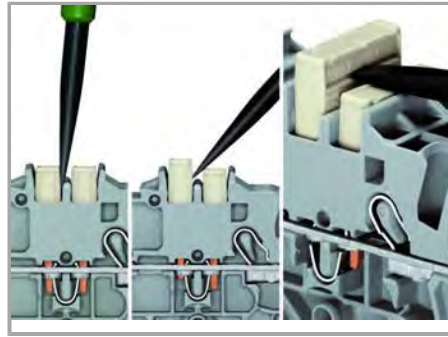
To open the clamp, the operating tool is inserted vertically. The conductor entry is less than 15 degrees for easier wiring.

Commoning

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).

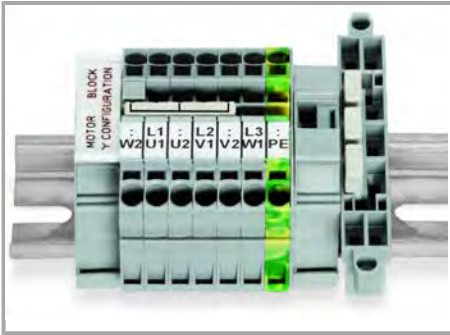


Removing a push-in type jumper bar.

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

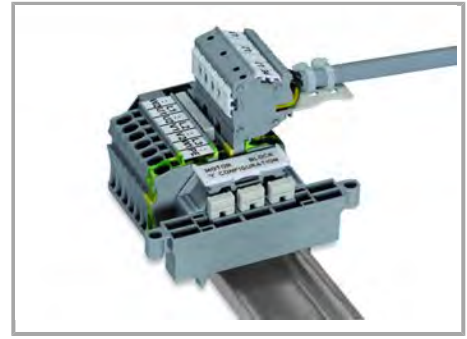
Subject to changes. Please also observe the further product documentation!



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

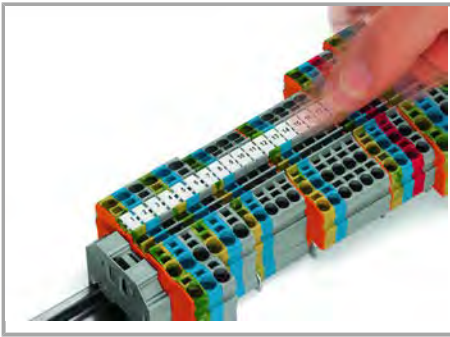


Test plug adapter (2009-174, CAT II) for 4 mm Ø plugs – compatible with 2000 to 2016 Series

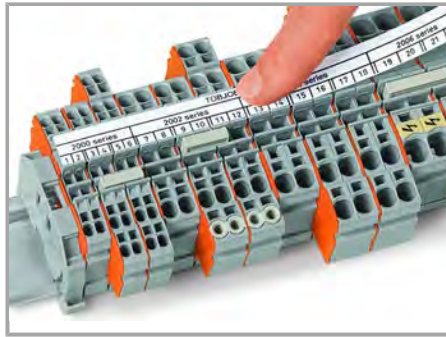


Testing tap (2009-182) for tool-free connection of test cables up to 2.5 mm² (12 AWG) – compatible with 2000 to 2016 Series

Marking



Snapping WMB Inline markers into marker slots.

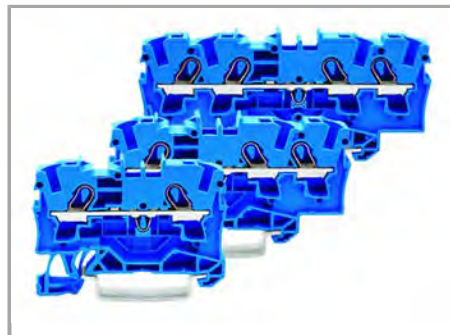


Subject to changes. Please also observe the further product documentation!



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!

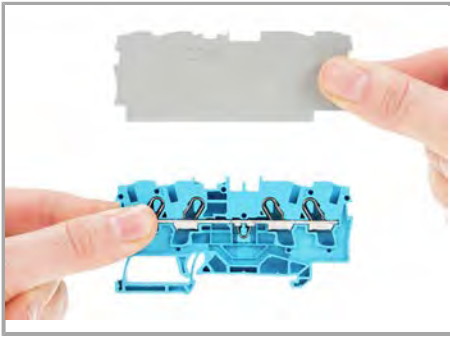


Through terminal blocks with a blue
insulated housing are suitable for Ex i
applications.



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

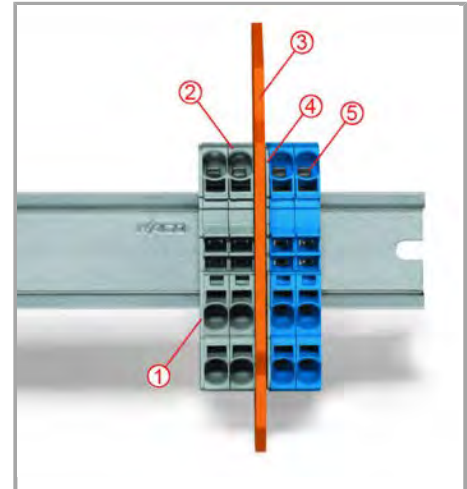
An end plate must be applied to the terminal block located directly behind an Ex e/Ex i separator plate.



Ex e II/Ex i terminal strip

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!



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](#)

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