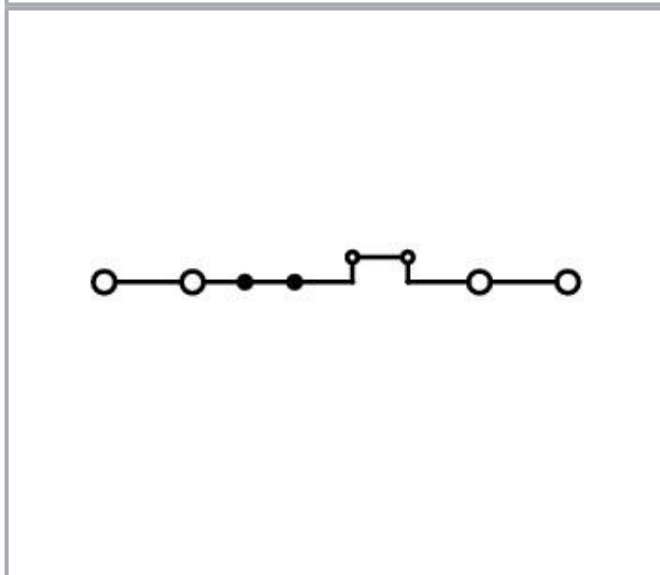
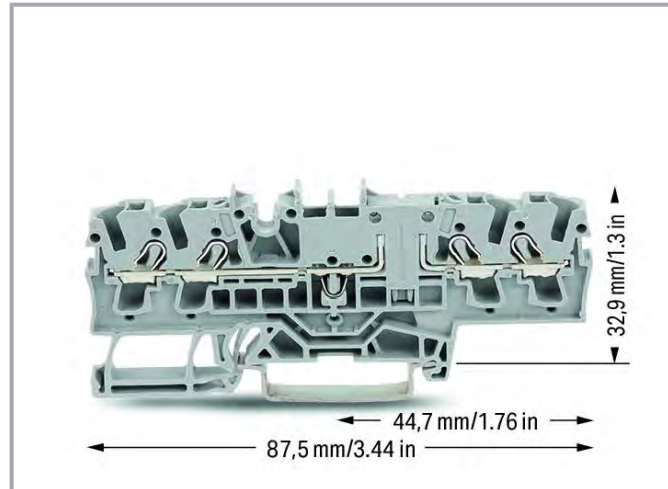
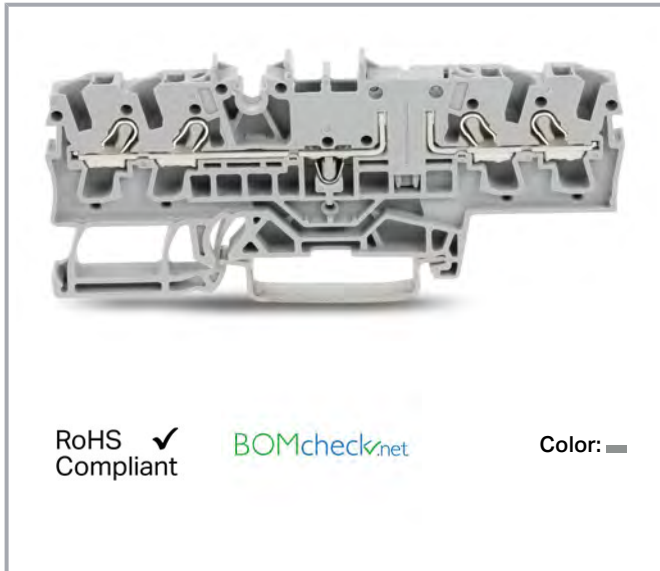


Data sheet | Item number: 2002-1801

TOPJOB®S feedthrough terminal block; same profile as other 2002-18xx terminal blocks; rail mount; 4-conductor; 5.2 mm wide; gray



Data

Electrical data

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



IEC Approvals

Ratings per	IEC/EN 60947-7-1
Rated voltage (III / 3)	400 V
Rated surge voltage (III/3)	6 kV
Rated current	16 A
Legend (ratings)	(III / 3) $\triangleq$ Overvoltage category III / Pollution degree 3

UL Approvals

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

CSA Approvals

Approvals per	C22.2 No 158
Rated voltage CSA (Use Group B)	600 V
Rated current CSA (Use Group B)	15 A
Rated voltage CSA (Use Group C)	600 V
Rated current CSA (Use Group C)	15 A

Ex information

Ratings per	ATEX: KIWA 17 ATEX 0030 U / IECEx: KIWA 17.0014U (Ex ec IIC Gc)
Rated voltage EN (Ex e II)	440 V
Rated current (Ex e II)	17 A

Connection data

Connection technology	Push-in CAGE CLAMP®
Actuation type	Push-in Open Tool Slot
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm²
Solid conductor	0.25 ... 4 mm² / 22 ... 12 AWG
Solid conductor; push-in termination	0.75 ... 4 mm² / 18 ... 12 AWG
Fine-stranded conductor	0.25 ... 4 mm² / 22 ... 12 AWG

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



Fine-stranded conductor; with insulated ferrule	1 ... 2.5 mm ² / 18 ... 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 ... 2.5 mm ² / 18 ... 14 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	10 ... 12 mm / 0.39 ... 0.47 inch
Total number of connection points	4
Total number of potentials	1
Number of levels	1
Wiring type	Front-entry wiring
Number of jumper slots	2

Physical data

Width	5.2 mm / 0.205 inch
Height	87.5 mm / 3.445 inch

Mechanical data

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

Material data

Color	gray
Insulation material	Polyamide (PA66)
Fire load	0.192 MJ
Weight	9.9 g

Commercial data

Product Group	22 (TOPJOB S)
Packaging type	BOX
Country of origin	CN
GTIN	4045454974671
Customs tariff number	8536904000

Approvals / Certificates

Ex-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	AEx	UL 60079	20190704-E185892

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

Underwriters Laboratories Inc.



	ATEX KIWA Netherlands B.V.	EN 60079	KIWA 17ATEX0030 U
	CCCEX CQST/CNEx	CNCA-C23-01	2020312313000180
	IECEX KIWA Netherlands B.V.	EN 60079	IECEX KIWA 17.0014 U

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 60947	NTR NL 7730
	KEMA/KEUR DEKRA Certification B.V.	EN 60947	71- 107687

Ship Approvals

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

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

Required accessories

End plate

	Item no.: 2002-1891 TOPJOB®S end/intermediate plate; for 2002-18xx series terminal blocks; 1.0 mm wide; gray
	Item no.: 2002-1892 TOPJOB®S end/intermediate plate; for 2002-18xx series terminal blocks; 1.0 mm wide; orange

Compatible products

Insulation stop

	Item no.: 2002-171 TOPJOB®S insulation stop; for 2002 series terminal blocks; 0.25 - 0.5 mm ² ; 5/strip; light gray
	Item no.: 2002-172 TOPJOB®S insulation stop; for 2002 series terminal blocks; 0.75 - 1.0 mm ² ; 5/strip; dark gray

check

	Item no.: 2002-511 TOPJOB® S modular connector; for 2002 series; for jumper contact slot; 1-pole; gray
	Item no.: 2002-549 TOPJOB®S spacer module; for 2002-511; 5.2 mm wide; gray
	Item no.: 2002-552 TOPJOB® S connector strip; for 2002 series; for jumper contact slot; 2-pole; gray
	Item no.: 2002-553 TOPJOB® S connector strip; for 2002 series; for jumper contact slot; 3-pole; gray
	Item no.: 2002-554 TOPJOB® S connector strip; for 2002 series; for jumper contact slot; 4-pole; gray
	Item no.: 2002-555 TOPJOB® S connector strip; for 2002 series; for jumper contact slot; 5-pole; gray
	Item no.: 2002-556 TOPJOB® S connector strip; for 2002 series; for jumper contact slot; 6-pole; gray
	Item no.: 2002-557 TOPJOB® S connector strip; for 2002 series; for jumper contact slot; 7-pole; gray
	Item no.: 2002-558 TOPJOB® S connector strip; for 2002 series; for jumper contact slot; 8-pole; gray
	Item no.: 2002-559 TOPJOB® S connector strip; for 2002 series; for jumper contact slot; 9-pole; gray

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

**Item no.: 2002-560**

TOPJOB® S connector strip; for 2002 series; for jumper contact slot; 10-pole; gray

**Item no.: 2002-611**

TOPJOB® S modular connector; for 2002 series; for conductor entry way; 1-pole; gray

**Item no.: 2002-649**

TOPJOB® S spacer module; for 2002-611; 5.2 mm wide; gray

**Item no.: 2009-174**

TOPJOB® S test plug adapter; for test plug 4 mm Ø; for testing TOPJOB® S terminal blocks; gray

**Item no.: 2009-182**

TOPJOB® S testing tap; tool-free; 12 AWG max; for testing TOPJOB® S terminal blocks; gray

**Item no.: 210-136**

Test plug; 2 mm Ø; with 500 mm cable

End plate**Item no.: 209-191**

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

Push-In type wire jumper**Item no.: 2009-412**TOPJOB® S wire jumper; insulated; 60 mm long; conductor cross section 1.5 mm²; suitable for 2001, 2002, 2003 and 2022 series terminal blocks; gray**Item no.: 2009-414**TOPJOB® S wire jumper; insulated; 110 mm long; conductor cross section 1.5 mm²; suitable for 2001, 2002, 2003 and 2022 series terminal blocks; gray**Item no.: 2009-414/000-005**Push-in type wire jumper; 1.5 mm²; insulated; 110 mm long; black**Item no.: 2009-414/000-006**

Push-in type wire jumper; insulated; 110 mm long; black

**Item no.: 2009-416**TOPJOB® S wire jumper; insulated; 250 mm long; conductor cross section 1.5 mm²; suitable for 2001, 2002, 2003 and 2022 series terminal blocks; gray**tools****Item no.: 210-658**

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; angled; short; multicoloured

**Item no.: 210-720**

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

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

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

**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

**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

**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

**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

**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; silver-colored

**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

**Item no.: 210-504**

Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; silver-colored

**Item no.: 210-505**

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

**Item no.: 210-506**

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

**Item no.: 210-508**

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

Protective Warning Marker**Item no.: 2002-115**

TOPJOB®S protective warning marker; with high-voltage symbol, for 2002 series terminal blocks; for 5 terminal blocks

plug**Item no.: 2002-880**

TOPJOB®S empty component plug housing; for 2001-2006 series feedthrough terminal blocks; 2-pole; 10.4 mm wide; gray

**Item no.: 2002-880/1000-411**

Diode plug; 1N4007 (N-P); for 2001 - 2006 series feedthrough terminal blocks; 5.2 mm wide; gray

**Item no.: 2002-880/1000-541**

LED plug; red LED (N-P); 12 - 30 V; for 2001 - 2006 series feedthrough terminal blocks; 10.4 mm wide; gray

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

**Item no.: 2002-880/1000-542**

LED plug; red LED (N-P); 30 - 65 V; for 2001 - 2006 series feedthrough terminal blocks; 10.4 mm wide; gray

**Item no.: 2002-880/1000-836**

LED plug; red LED (N-P); 230 V; for 2001 - 2006 series feedthrough terminal blocks; 10.4 mm wide; gray

Marking accessories**Item no.: 2002-121**

Adaptor; gray

**Item no.: 2002-161**

Adaptor; gray

**Item no.: 2009-110**

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

**Item no.: 2009-115**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

**Item no.: 2009-115/000-002**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow

**Item no.: 2009-115/000-005**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red

**Item no.: 2009-115/000-006**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue

**Item no.: 2009-115/000-007**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray

**Item no.: 2009-115/000-012**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange

**Item no.: 2009-115/000-017**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; light green

**Item no.: 2009-115/000-023**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green

**Item no.: 2009-115/000-024**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet

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

	Item no.: 2009-145 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white
	Item no.: 2009-145/000-002 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow
	Item no.: 2009-145/000-005 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red
	Item no.: 2009-145/000-006 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue
	Item no.: 2009-145/000-007 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray
	Item no.: 2009-145/000-012 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange
	Item no.: 2009-145/000-023 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green
	Item no.: 2009-145/000-024 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet
	Item no.: 2009-191 Group marker carrier
	Item no.: 2009-192 Group marker carrier
	Item no.: 2009-193 Group marker carrier
	Item no.: 2009-198 Adaptor; gray
	Item no.: 248-501 Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card
	Item no.: 248-501/000-002 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow
	Item no.: 248-501/000-005 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red

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



Item no.: 248-501/000-006

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue



Item no.: 248-501/000-007

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray



Item no.: 248-501/000-012

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange



Item no.: 248-501/000-017

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green



Item no.: 248-501/000-023

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green



Item no.: 248-501/000-024

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet



Item no.: 793-501

WMB marking card; as card; not stretchable; plain; snap-on type; white



Item no.: 793-501/000-002

WMB marking card; as card; not stretchable; plain; snap-on type; yellow



Item no.: 793-501/000-005

WMB marking card; as card; not stretchable; plain; snap-on type; red



Item no.: 793-501/000-006

WMB marking card; as card; not stretchable; plain; snap-on type; blue



Item no.: 793-501/000-007

WMB marking card; as card; not stretchable; plain; snap-on type; gray



Item no.: 793-501/000-012

WMB marking card; as card; not stretchable; plain; snap-on type; orange



Item no.: 793-501/000-017

WMB marking card; as card; not stretchable; plain; snap-on type; light green



Item no.: 793-501/000-023

WMB marking card; as card; not stretchable; plain; snap-on type; green

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

	Item no.: 793-501/000-024 WMB marking card; as card; not stretchable; plain; snap-on type; violet
	Item no.: 793-5501 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white
	Item no.: 793-5501/000-002 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; yellow
	Item no.: 793-5501/000-005 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red
	Item no.: 793-5501/000-006 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; blue
	Item no.: 793-5501/000-007 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; gray
	Item no.: 793-5501/000-012 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; orange
	Item no.: 793-5501/000-014 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; brown
	Item no.: 793-5501/000-017 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; green
	Item no.: 793-5501/000-023 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green
	Item no.: 793-5501/000-024 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; violet
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
	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
	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



Item no.: 216-244

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



Item no.: 216-246

Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue



Item no.: 216-262

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.: 216-263

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



Item no.: 216-264

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



Item no.: 216-266

Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue

Jumper



Item no.: 2002-400

TOPJOB®S endless jumper; for 2002 series; insulated; 2-way; light-gray



Item no.: 2002-402

TOPJOB®S jumper; for 2002 series; insulated; 2-way; light-gray



Item no.: 2002-402/000-005

TOPJOB®S jumper; for 2002 series; insulated; 2-way; red



Item no.: 2002-402/000-006

TOPJOB®S jumper; for 2002 series; insulated; 2-way; blue



Item no.: 2002-403

TOPJOB®S jumper; for 2002 series; insulated; 3-way; light-gray



Item no.: 2002-403/000-005

TOPJOB®S jumper; for 2002 series; insulated; 3-way; red



Item no.: 2002-403/000-006

TOPJOB®S jumper; for 2002 series; insulated; 3-way; blue



Item no.: 2002-404

TOPJOB®S jumper; for 2002 series; insulated; 4-way; light-gray

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



Item no.: 2002-404/000-005
TOPJOB®S jumper; for 2002 series; insulated; 4-way; red



Item no.: 2002-404/000-006
TOPJOB®S jumper; for 2002 series; insulated; 4-way; blue



Item no.: 2002-405
TOPJOB®S jumper; for 2002 series; insulated; 5-way; light-gray



Item no.: 2002-405/000-005
TOPJOB®S jumper; for 2002 series; insulated; 5-way; red



Item no.: 2002-405/000-006
TOPJOB®S jumper; for 2002 series; insulated; 5-way; blue



Item no.: 2002-405/011-000
TOPJOB®S jumper; Wye configuration; for 2002 series; insulated; 3-way (1-3-5); light-gray



Item no.: 2002-406
TOPJOB®S jumper; for 2002 series; insulated; 6-way; light-gray



Item no.: 2002-406/000-005
TOPJOB®S jumper; for 2002 series; insulated; 6-way; red



Item no.: 2002-406/000-006
TOPJOB®S jumper; for 2002 series; insulated; 6-way; blue



Item no.: 2002-406/020-000
TOPJOB®S jumper; Delta configuration; for 2002 series; insulated; 6-way (1-2, 3-4, 5-6); light-gray



Item no.: 2002-407
TOPJOB®S jumper; for 2002 series; insulated; 7-way; light-gray



Item no.: 2002-407/000-005
TOPJOB®S jumper; for 2002 series; insulated; 7-way; red



Item no.: 2002-407/000-006
TOPJOB®S jumper; for 2002 series; insulated; 7-way; blue



Item no.: 2002-408
TOPJOB®S jumper; for 2002 series; insulated; 8-way; light-gray

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



Item no.: 2002-408/000-005
TOPJOB®S jumper; for 2002 series; insulated; 8-way; red



Item no.: 2002-408/000-006
TOPJOB®S jumper; for 2002 series; insulated; 8-way; blue



Item no.: 2002-409
TOPJOB®S jumper; for 2002 series; insulated; 9-way; light-gray



Item no.: 2002-409/000-005
TOPJOB®S jumper; for 2002 series; insulated; 9-way; red



Item no.: 2002-409/000-006
TOPJOB®S jumper; for 2002 series; insulated; 9-way; light-gray



Item no.: 2002-410
TOPJOB®S jumper; for 2002 series; insulated; 10-way; light-gray



Item no.: 2002-410/000-005
TOPJOB®S jumper; for 2002 series; insulated; 10-way; red



Item no.: 2002-410/000-006
TOPJOB®S jumper; for 2002 series; insulated; 10-way; blue



Item no.: 2002-423
TOPJOB®S endless jumper; for 2002 series; insulated; 2-way (1-3); light-gray



Item no.: 2002-423/000-005
TOPJOB®S endless jumper; for 2002 series; insulated; 2-way (1-3); red



Item no.: 2002-423/000-006
TOPJOB®S endless jumper; for 2002 series; insulated; 2-way (1-3); blue



Item no.: 2002-433
TOPJOB®S jumper; for 2002 series; insulated; 2-way (1-3); light-gray



Item no.: 2002-434
TOPJOB®S jumper; for 2002 series; insulated; 2-way (1-4); light-gray



Item no.: 2002-435
TOPJOB®S jumper; for 2002 series; insulated; 2-way (1-5); light-gray



Item no.: 2002-436
TOPJOB®S jumper; for 2002 series; insulated; 2-way (1-6); light-gray

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



Item no.: 2002-437
TOPJOB®S jumper; for 2002 series; insulated; 2-way (1-7); light-gray



Item no.: 2002-438
TOPJOB®S jumper; for 2002 series; insulated; 2-way (1-8); light-gray



Item no.: 2002-439
TOPJOB®S jumper; for 2002 series; insulated; 2-way (1-9); light-gray



Item no.: 2002-440
TOPJOB®S jumper; for 2002 series; insulated; 2-way (1-10); light-gray



Item no.: 2002-472
TOPJOB®S staggered jumper; for 2002 and 2003 series; insulated; 2-way; light-gray



Item no.: 2002-473
TOPJOB®S staggered jumper; for 2002 and 2003 series; insulated; 3-way; light-gray

Item no.: 2002-473/011-000
TOPJOB®S staggered jumper; for 2002 and 2003 series; 2-way (preconfigured 1-3); light-gray



Item no.: 2002-474
TOPJOB®S staggered jumper; for 2002 and 2003 series; insulated; 4-way; light-gray



Item no.: 2002-475
TOPJOB®S staggered jumper; for 2002 and 2003 series; insulated; 5-way; light-gray

Item no.: 2002-475/011-000
TOPJOB®S staggered jumper; for 2002 and 2003 series; insulated; 3-way (preconfigured 1-3-5); light-gray



Item no.: 2002-476
TOPJOB®S staggered jumper; for 2002 and 2003 series; insulated; 6-way; light-gray



Item no.: 2002-477
TOPJOB®S staggered jumper; for 2002 and 2003 series; insulated; 7-way; light-gray



Item no.: 2002-477/011-000
TOPJOB®S staggered jumper; for 2002 and 2003 series; insulated; 4-way (preconfigured 1-3-5-7); light-gray



Item no.: 2002-478
TOPJOB®S staggered jumper; for 2002 and 2003 series; insulated; 8-way; light-gray



Item no.: 2002-479
TOPJOB®S staggered jumper; for 2002 and 2003 series; insulated; 9-way; light-gray

Item no.: 2002-479/011-000
TOPJOB®S staggered jumper; for 2002 and 2003 series; insulated; 5-way (preconfigured 1-3-5-7-9); light-gray



Item no.: 2002-480
TOPJOB®S staggered jumper; for 2002 and 2003 series; insulated; 10-way; light-gray

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



	Item no.: 2002-481 TOPJOB®S staggered jumper; for 2002 and 2003 series; insulated; 11-way; light-gray
	Item no.: 2002-481/011-000 TOPJOB®S staggered jumper; for 2002 and 2003 series; insulated; 6-way (preconfigured 1-3-5-7-9-11); light-gray
	Item no.: 2002-482 TOPJOB®S staggered jumper; for 2002 and 2003 series; insulated; 12-way; light-gray
	Item no.: 210-103 Wire commoning chain; insulated; black
	Item no.: 210-123 Wire commoning chain; insulated; blue

Downloads Documentation

Bid Text

2002-1801 docx - Datei	Apr 23, 2019	docx 15.8 kB
2002-1801 X81 - Datei	Apr 24, 2019	xml 4.1 kB

Additional Information

Technical explanations	Apr 3, 2019	pdf 2.2 MB
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CAD files

CAE data

WSCAD Universe 2002-1801

ZUKEN Portal 2002-1801

EPLAN Data Portal 2002-1801

CAD data

2D/3D Models 2002-1801

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

Environmental Product Compliance

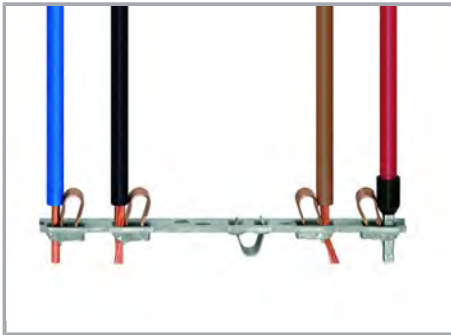
Compliance Search

Environmental Product Compliance 2002-1801

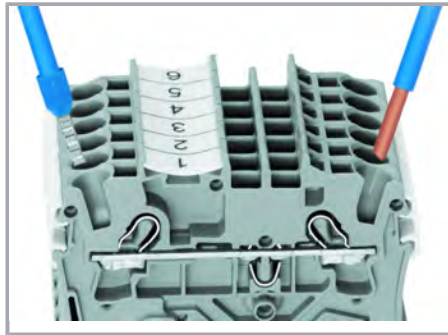
4-conductor through terminal block; 2.5 mm²; with test option; same profile as 4-conductor disconnect terminal block; side and center marking; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm²; gray

Installation Notes

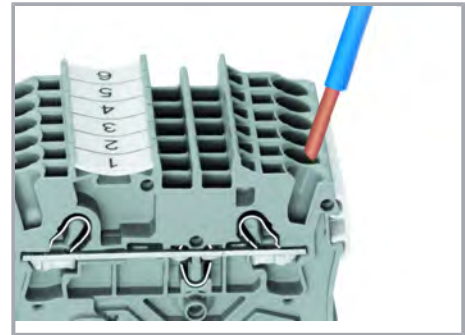
Conductor termination



All conductor types at a glance



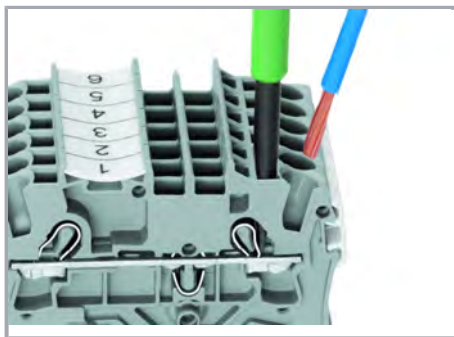
Push-in termination of solid and ferruled conductors



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!

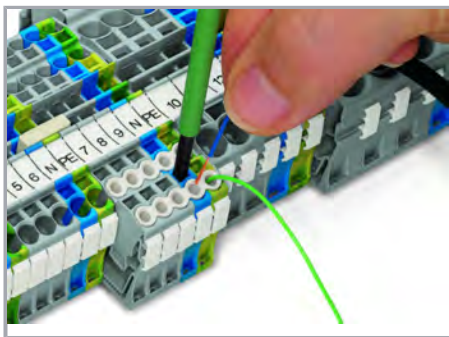


Inserting a conductor via operating tool:

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.

Advantage:

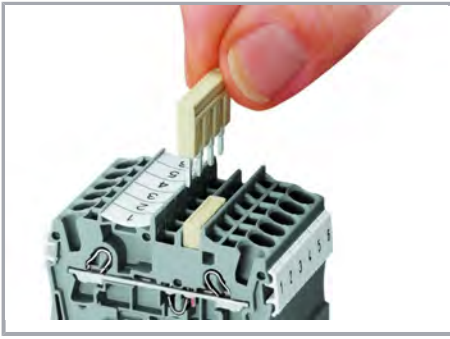
To open the clamp, the operating tool is inserted vertically. The conductor entry is less than 15 degrees for easier wiring.



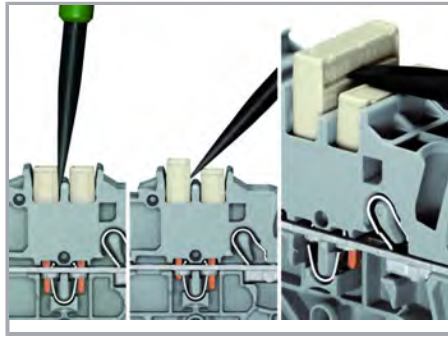
Conductor termination – insulation stop

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 partition wall of the dual jumper slots, then lift up the jumper.

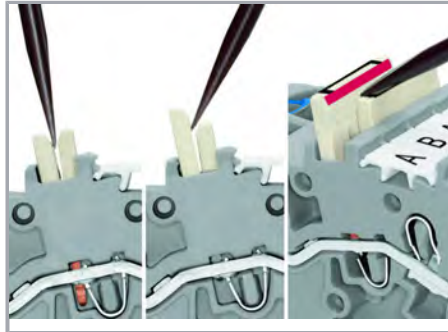
Place the operating tool in the center of jumpers for up to five contacts (see above), or alternately on both sides for jumpers with more than five contacts.

Commoning



Orient the staggered jumpers' red stripes on the inside.

Insert the staggered jumper and push down until it hits the backstop.

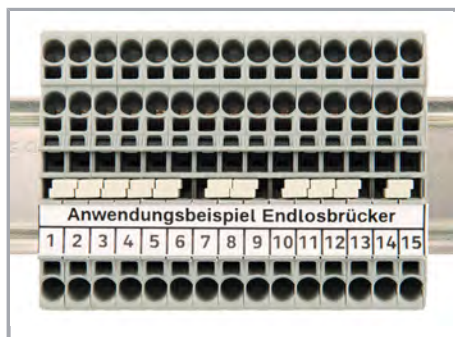


Removing a staggered jumper:

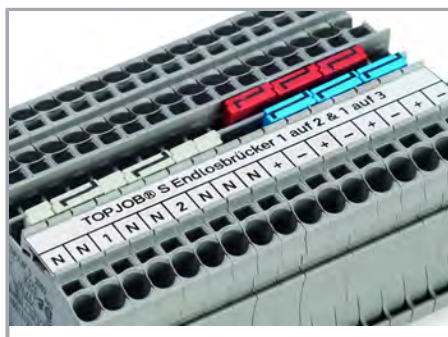
Insert the operating tool between the staggered jumpers, then lift up the jumper.

Commoning

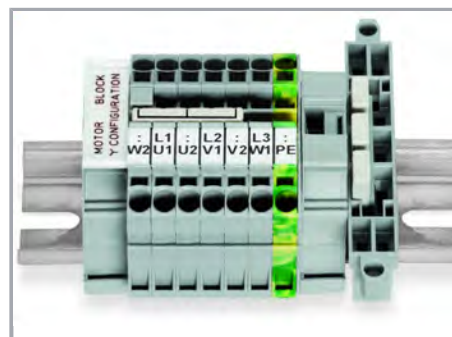
Subject to changes. Please also observe the further product documentation!



Continuous jumpers (2002 Series) readily connect an endless number of terminal blocks to each other via single jumper slot. Use the second jumper slot for additional commoning or testing.



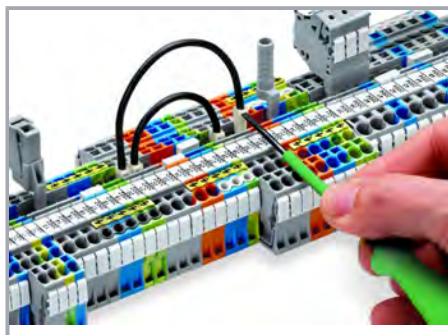
The 1-to-3 adjacent jumper for continuous commoning enables every other terminal block to be commoned. For example, positive and negative potentials can be accommodated alongside each other.



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.



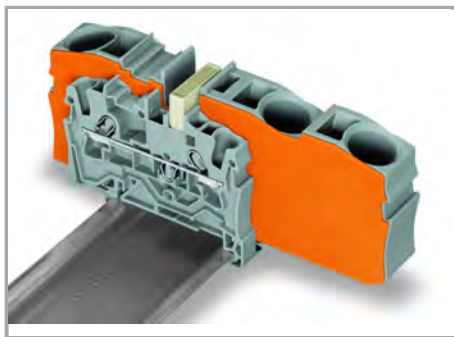
This delta jumper has been specially developed to create a delta configuration and is used on motor terminal boards equipped with TOPJOB® S rail-mount terminal blocks.



Push down the wire jumper until fully inserted. Lift the jumper with an operating tool for rewiring.

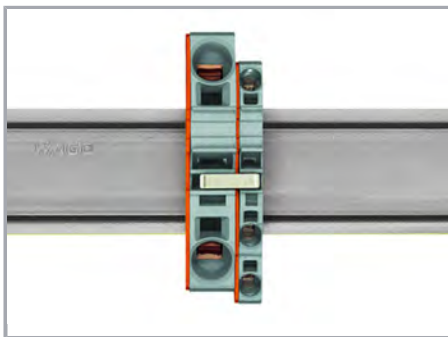
Commoning

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



Step-down jumpers common terminal blocks of different sizes, without losing a conductor clamping point. This can be beneficial on long conductor runs where voltage drop can be a problem. A large conductor can be easily connected to smaller conductors at the distribution point.

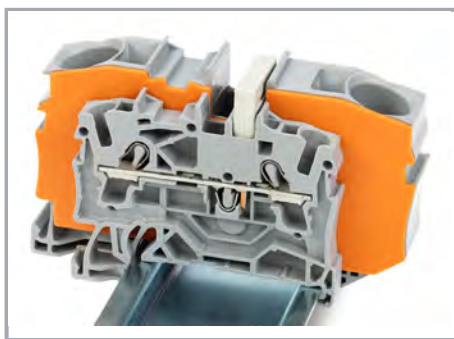
Commoning may be made in either direction using the special thin end plate to cover the open side. Additional through terminal blocks having a smaller cross-section may be commoned using push-in type jumper bars.



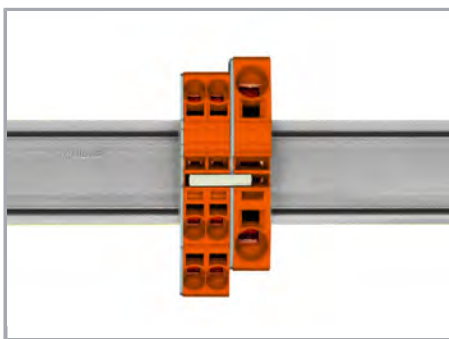
Using step-down jumpers, an end plate must be inserted between the terminal blocks to be commoned.



Step-down jumper (2006-499) commons 6 /4 mm² (10/12 AWG) terminal blocks (2006 /2004 Series) with 4/2.5/1.5 mm² (AWG 12/14 /16) terminal blocks (2004/2002/2001 Series).

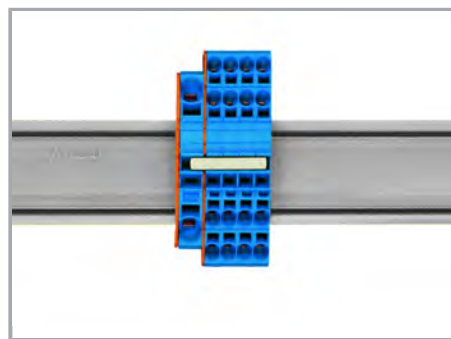


Step-down jumper (2016-499) commons 16 /10 mm² (16/8 AWG) terminal blocks (2016 /2010 Series) with 10/6/4/2.5 mm² (8/10/12 /14 AWG) terminal blocks (2010/2006/2004 /2002 Series).



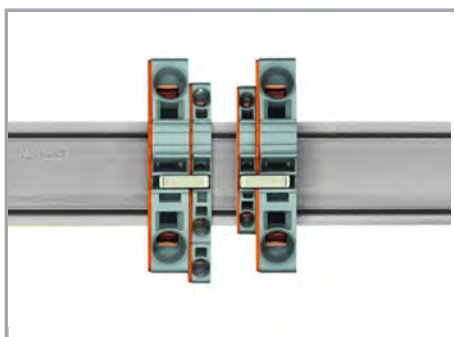
Stepping down via push-in type jumper bar:

Commoning via open terminal side with end plate allows jumpering over two cross-section sizes for 16 mm² (6 AWG) and 10 mm² (8 AWG) and one cross-section size for 6/4/2.5 mm² (10/12/14 AWG). An example: from 16 mm² (6 AWG) to 6 mm² (10 AWG) (see illustration above) or from 10 mm² (8 AWG) to 4 mm² (12 AWG).



Stepping down via push-in type jumper bar:

Commoning via closed terminal side with end plate allows jumpering over two cross-section sizes, e.g., from 16 mm² (6 AWG) to 6 mm² (10 AWG) or from 6 mm² (10 AWG) to 2.5 mm² (14 AWG) (see illustration above).



Note:

The total current of the outgoing circuits must not exceed the nominal current of the step-down jumper/push-in type jumper bar.

Testing

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



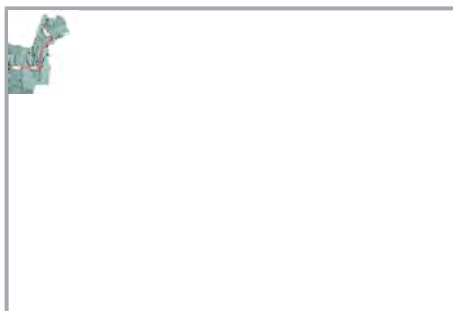
The modular TOPJOB® S connectors also connect conductors of the same size as the terminal blocks being used.



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



L-type test plug module – cross-sectional view of contacts

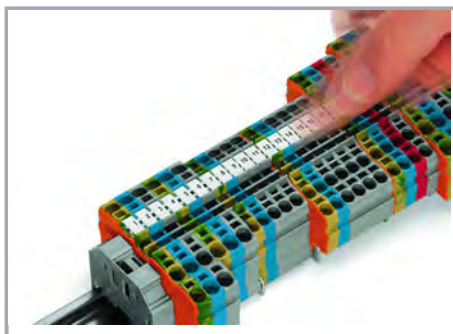


Test plug adapter (2009-174, CAT II) for 4 mm Ø plugs – compatible with 2000 to 2016 Series

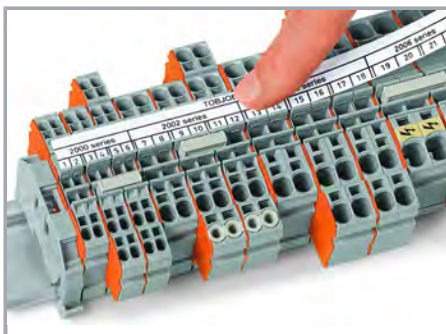


Testing tap (2009-182) for tool-free connection of test cables up to 2.5 mm² (12 AWG) – compatible with 2000 to 2016 Series

Marking



Snapping WMB Inline markers into marker slots.

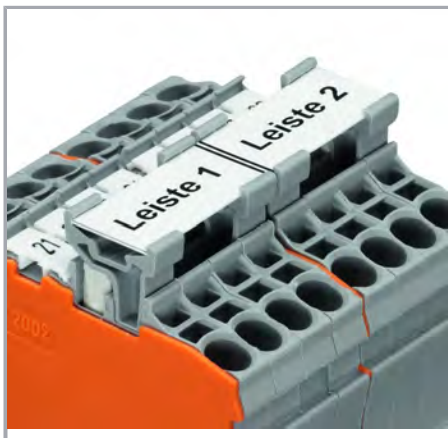


Subject to changes. Please also observe the further product documentation!

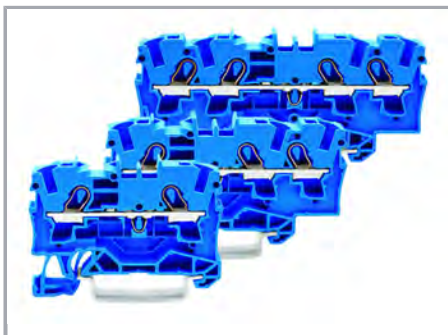


TOPJOB® S 2009-193 Group Marker Carrier (equipped with a marking strip) for all 2001 to 2016 Series TOPJOB® S Rail-Mount Terminal Blocks

Do not use on an end plate!



Using marker carriers for marking strips (2002-161) in jumper slots.



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 plate for Ex e/Ex i applications

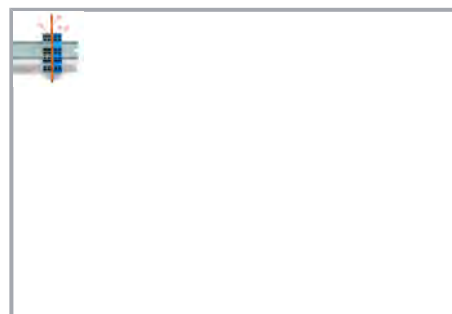
An end plate must be applied to the terminal block located directly behind an Ex e/Ex i separator plate.



Ex e II/Ex i terminal strip

Note:

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



A separator plate is located between the Ex e II and Ex i terminal strip.

End plate

Ex e II terminal blocks

Separator plate 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 DIN-rail.

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](#)

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