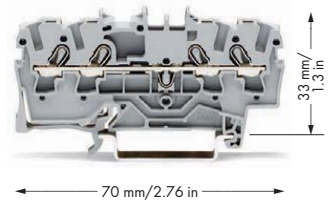
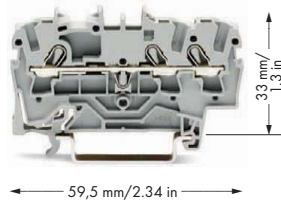
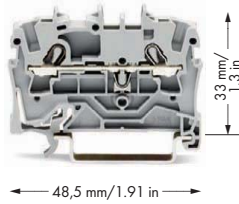


Through/Ground Conductor and Ex Terminal Blocks 2.5 (4) mm² TOPJOB® SJ - 2002 Series

0.25 - 2.5 (4) mm ² ① 800 V/8 kV/3 ② I _N 24 A (32 A) Terminal block width 5.2 mm / 0.205 in 10 - 12 mm / 0.43 in ③	AWG 22 - 12 600 V, 20 A ④ 600 V, 20 A ⑤	0.25 - 2.5 (4) mm ² ① 800 V/8 kV/3 ② I _N 24 A (32 A) Terminal block width 5.2 mm / 0.205 in 10 - 12 mm / 0.43 in ③	AWG 22 - 12 600 V, 20 A ④ 600 V, 20 A ⑤	0.25 - 2.5 (4) mm ² ① 800 V/8 kV/3 ② I _N 24 A (32 A) Terminal block width 5.2 mm / 0.205 in 10 - 12 mm / 0.43 in ③	AWG 22 - 12 600 V, 20 A ④ 600 V, 20 A ⑤
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Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
2-conductor through terminal block		3-conductor through terminal block		4-conductor through terminal block	
gray ⑤ 2002-1201 ⑤	100	gray ⑤ 2002-1301 ⑤	100	gray ⑤ 2002-1401 ⑤	100
blue ⑤ 2002-1204 ④ ⑤	100	blue ⑤ 2002-1304 ④ ⑤	100	blue ⑤ 2002-1404 ④ ⑤	100
orange ⑤ 2002-1202 ⑤	100	orange ⑤ 2002-1302 ⑤	100	orange ⑤ 2002-1402 ⑤	100
red ⑤ 2002-1203 ⑤	100	red ⑤ 2002-1303 ⑤	100	red ⑤ 2002-1403 ⑤	100
black ⑤ 2002-1205 ⑤	100	black ⑤ 2002-1305 ⑤	100	black ⑤ 2002-1405 ⑤	100
yellow ⑤ 2002-1206 ⑤	100	yellow ⑤ 2002-1306 ⑤	100	yellow ⑤ 2002-1406 ⑤	100
2-conductor ground terminal block		3-conductor ground terminal block		4-conductor ground terminal block	
green-yellow ⑤ 2002-1207 ⑤	100	green-yellow ⑤ 2002-1307 ⑤	100	green-yellow ⑤ 2002-1407 ⑤	100
Other terminal blocks with the same profile:		Other terminal blocks with the same profile:		Other terminal blocks with the same profile:	
Diode 2002-1211/1000-411	Page 96	Diode 2002-1311/1000-411	Page 96	Diode 2002-1411/1000-411	Page 96
		LED 2002-1321/1000-434	Page 96	LED 2002-1421/1000-434	Page 96
				Double-potential 2002-1441	Page 53

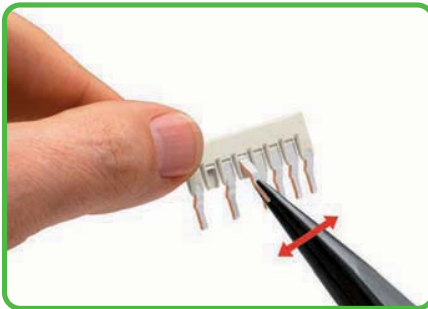
Item-Specific Accessories	Item-Specific Accessories	Item-Specific Accessories
End and intermediate plate, 0.8 mm thick orange 2002-1292 100 (4x25) gray 2002-1291 100 (4x25)	End and intermediate plate, 0.8 mm thick orange 2002-1392 100 (4x25) gray 2002-1391 100 (4x25)	End and intermediate plate, 0.8 mm thick orange 2002-1492 100 (4x25) gray 2002-1491 100 (4x25)
Separator, oversized, 2 mm thick orange 2002-1294 100 (4x25) gray 2002-1293 100 (4x25)	Separator, oversized, 2 mm thick orange 2002-1394 100 (4x25) gray 2002-1393 100 (4x25)	Separator, oversized, 2 mm thick orange 2002-1494 100 (4x25) gray 2002-1493 100 (4x25)
Ex e/Ex i separator, orange, 3 mm thick 90 mm 209-190 50 (2x25) 120 mm 209-191 50 (2x25)	Ex e/Ex i separator, orange, 3 mm thick 120 mm 209-191 50 (2x25)	Ex e/Ex i separator, orange, 3 mm thick 120 mm 209-191 50 (2x25)

2002 Series Accessories

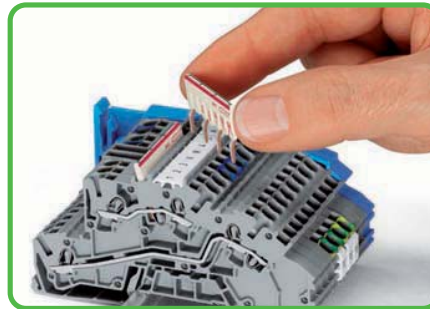
Appropriate marking systems: WMB/Marking strips/WMB Inline
(see Section 13)

Insulation stop,	Insulation stop,	Staggered jumper,
5 pcs/strip, 0.25 - 0.5 mm ² light gray 2002-171 200 (8x25)	5 pcs/strip, 0.75 - 1 mm ² dark gray 2002-172 200 (8x25)	insulated, I _N 25 A, light gray
Push-in type jumper bar, insulated, I _N 25 A, light gray	Push-in type jumper bar, insulated, I _N 25 A, light gray	2-way 2002-472 100 (4x25)
2-way 2002-402 200 (8x25)	1 - 3 2002-433 200 (8x25)	3-way 2002-473 100 (4x25)
3-way 2002-403 200 (8x25)	1 - 4 2002-434 200 (8x25)	4-way 2002-474 100 (4x25)
4-way 2002-404 200 (8x25)	1 - 5 2002-435 100 (4x25)	5-way 2002-475 50 (2x25)
5-way 2002-405 100 (4x25)	1 - 6 2002-436 100 (4x25)	6-way 2002-476 50 (2x25)
6-way 2002-406 100 (4x25)	1 - 7 2002-437 100 (4x25)	7-way 2002-477 50 (2x25)
7-way 2002-407 100 (4x25)	1 - 8 2002-438 100 (4x25)	8-way 2002-478 50 (2x25)
8-way 2002-408 100 (4x25)	1 - 9 2002-439 100 (4x25)	9-way 2002-479 50 (2x25)
9-way 2002-409 100 (4x25)	1 - 10 2002-440 100 (4x25)	10-way 2002-480 50 (2x25)
10-way 2002-410 100 (4x25)		11-way 2002-481 50 (2x25)
		12-way 2002-482 50 (2x25)

- Simply Jumpered - Handling Staggered Jumpers for 2002 and 2003 Series



Staggered jumper with 7 contacts
Breaking off contact lugs - Individual jumper contacts can be broken off by bending them. The remaining piece of insulation will meet requirements for clearances and creepage distances.



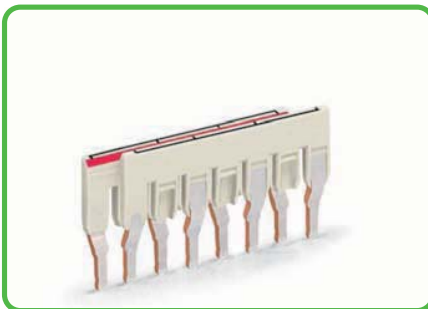
Insert staggered jumper
Push staggered jumper down until fully inserted.



Staggered jumper 1 - 3 - 5 - 7
Marking with a Felt-tip pen.

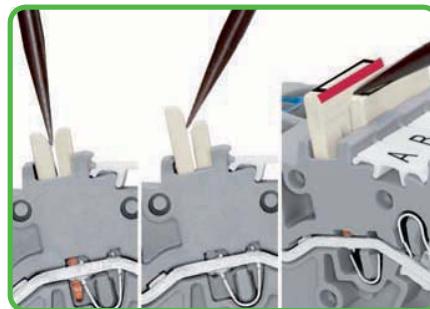


Locate red stripes of the staggered jumpers on the inside












Jumpers staggered in a jumper slot
Custom staggered jumpers can be created, e.g., for bridging over a terminal block with a different potential. Make sure only one contact lug is in contact with the terminal block.

That way, staggered jumpers are created with contact lugs that will make contact to the terminal block in the gaps of the second jumper. Insert the ready-made jumper assembly into the jumper slot until it hits the stop.



Staggered jumper removal
Insert the operating tool between the jumpers and lift up the jumper.

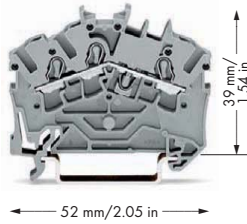
- ❶ Conductor sizes: 0.25 mm² - 4 mm² "s + f-sl"; Push-in conductor sizes: 0.75 mm² - 4 mm² "s" and 0.75 mm² - 2.5 mm² "insulated ferrule, 12 mm"
- ❷ 800 V = rated voltage
8 kV = rated surge voltage
3 = pollution degree
(also see Section 14)
- ❸ Strip length, see packaging or instructions.
- ❹ Suitable for Ex i applications
- ❺ Suitable for Ex e II applications
550 V, 22 A
Jumper 20 A
(also see Section 14)
- ❻ See application notes for:
Ex e/Ex i separator plate, page 48

2002 Series Accessories	
Appropriate marking systems: WMB/Marking strips/WMB Inline	
Customized staggered jumper,	
	insulated, I _N 25 A, light gray
1-3	2002-473/011-000 100 (4x25)
1-3-5	2002-475/011-000
1-3-5-7	2002-477/011-000
1-3-5-7-9	2002-479/011-000
1-3-5-7-9-11	2002-481/011-000 50 (2x25)
Push-in type wire jumper,	
	insulated, I _N 16 A, wire size 1.5 mm ²
60 mm	2009-412 100 (10x10)
110 mm	2009-414 100 (10x10)
250 mm	2009-416 100 (10x10)
Star point jumper, insulated,	
	I _N = I _N terminal block, light gray
1-3-5	2002-405/011-000 100 (4x25)
Step-down jumper, insulated,	
	I _N 32 A light gray
	2006-499 50 (2x25)
Protective warning marker,	
	with high-voltage symbol, black, for 5 terminal blocks yellow
	2002-115 100 (4x25)
TOPJOB®S connector,	
	modular, for jumper contact slot gray
	2002-511 100 (4x25)
Spacer module, can be snapped together,	
	e.g., for bridging commoned terminal blocks gray
	2002-549 100 (4x25)
End plate,	
	for modular TOPJOB®S connectors, 1.5 mm thick gray
	2002-541 100 (4x25)
Test plug adapter,	
	for test plug 4 mm Ø gray
	2009-174 100 (4x25)

Through/Ground Conductor and Terminal Blocks 2.5 (4) mm² TOPJOB® – 2002 Series



0.25 - 2.5 (4) mm ² ①	AWG 22 - 12
800 V/8 kV/3 ②	600 V, 20 A ③
I _N 24 A (32 A)	600 V, 20 A ④
Terminal block width 5.2 mm / 0.205 in	
10 - 12 mm / 0.43 in ⑤	

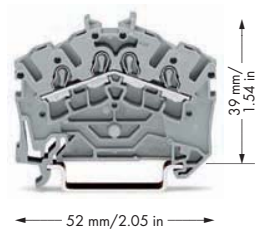


- ① Conductor sizes: 0.25 mm² - 4 mm² "s + f-st"; Push-in conductor sizes: 0.75 mm² - 4 mm² "s" and 0.75 mm² - 2.5 mm² "insulated ferrule, 12 mm"
- ② 800 V = rated voltage
8 kV = rated surge voltage
3 = pollution degree
(also see Section 14)
- ③ Strip length, see packaging or instructions.
- ④ Suitable for Ex i applications
- ⑤ Suitable for Ex e II applications
550 V, 22 A
Jumper 20 A
(also see Section 14)
- ⑥ See application notes for:
Ex e/Ex i separator plate, page 48

Item No.	Pack. Unit	2002 Series Accessories	
3-conductor through terminal block		Appropriate marking systems: WMB/Marking strips/WMB Inline (see Section 13)	
gray ⑤	2002-6301 ⑤ 100	Star point jumper, insulated, I _N = I _N terminal block, light gray 1 - 3 - 5 2002-405/011-000 100 (4x25)	Test plug adapter, for test plug 4 mm Ø gray 2009-174 100 (4x25)
blue ⑤	2002-6304 ④ ⑤ 100		
orange ⑤	2002-6302 ⑤ 100		
3-conductor ground terminal block		Push-in type jumper bar, insulated, I _N 25 A, light gray 1 - 3 2002-433 200 (8x25) 1 - 4 2002-434 200 (8x25) 1 - 5 2002-435 100 (4x25) 1 - 6 2002-436 100 (4x25) 1 - 7 2002-437 100 (4x25) 1 - 8 2002-438 100 (4x25) 1 - 9 2002-439 100 (4x25) 1 - 10 2002-440 100 (4x25)	Banana plug, for socket 4 mm Ø, color mixed 215-111 50
green-yellow ⑤ 2002-6307 ⑤ 100			
Additional colors pending			
2002 Series Accessories		Testing tap, for max. 2.5 mm ² gray 2009-182 100 (4x25)	Test plug, with 500 mm/17.7 in cable, 2 mm Ø red 210-136 50
End and intermediate plate, 0.8 mm thick			
orange	2002-6392 100 (4x25)		
gray	2002-6391 100 (4x25)	Test plug, with 500 mm/17.7 in cable, 2.3 mm Ø yellow 210-137 50	
Ex e/Ex i separator, orange, ⑥ 3 mm thick 120 mm 209-191 50 (2x25)			
Insulation stop, 5 pcs/strip, 0.25 - 0.5 mm ² light gray 2002-171 200 (8x25)			
Insulation stop, 5 pcs/strip, 0.75 - 1 mm ² dark gray 2002-172 200 (8x25)		WMB Inline, plain, stretchable 5 - 5.2 mm, 1,500 WMB markers, 5 mm, on roll white 2009-115 1	WMB Multi marking system, 10 strips with 10 markers per card, stretchable 5 - 5.2 mm plain 793-5501 5
Push-in type jumper bar, insulated, I _N 25 A, light gray 2-way 2002-402 200 (8x25) 3-way 2002-403 200 (8x25) 4-way 2002-404 200 (8x25) 5-way 2002-405 100 (4x25) 6-way 2002-406 100 (4x25) 7-way 2002-407 100 (4x25) 8-way 2002-408 100 (4x25) 9-way 2002-409 100 (4x25) 10-way 2002-410 100 (4x25)			
Protective warning marker, with high-voltage symbol, black, for 5 terminal blocks yellow 2002-115 100 (4x25)			
TOPJOB®S connector, modular, for jumper contact slot gray 2002-511 100 (4x25)		Marking strip, plain, 11 mm wide, 50 m roll white 2009-110 1	TOPJOB®S group marker carrier, snap-on type for jumper slot, 5 mm wide gray 2009-191 50 (2x25)
Push-in type wire jumper, insulated, I _N 16 A, wire size 1.5 mm ² 60 mm 2009-412 100 (10x10) 110 mm 2009-414 100 (10x10) 250 mm 2009-416 100 (10x10)			
Spacer module, can be snapped together, e.g., for bridging commoned terminal blocks gray 2002-549 100 (4x25)			
End plate, for modular TOPJOB®S connectors, 1.5 mm thick gray 2002-541 100 (4x25)			

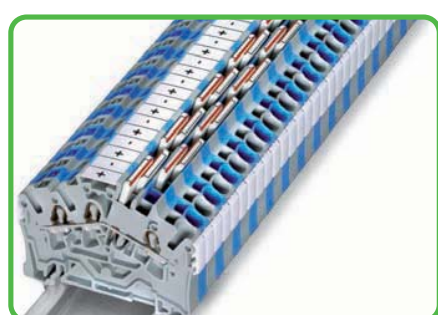
Through/Ground Conductor and ⚡ Terminal Blocks 2.5 (4) mm² TOPJOB® S – 2002 Series

0.25 - 2.5 (4) mm ² ①	AWG 22 - 12
800 V/8 kV/3 ②	600 V, 20 A ③
I _N 24 A (32 A)	600 V, 20 A ④
Terminal block width 5.2 mm / 0.205 in	
⑤ 10 - 12 mm / 0.43 in ⑥	



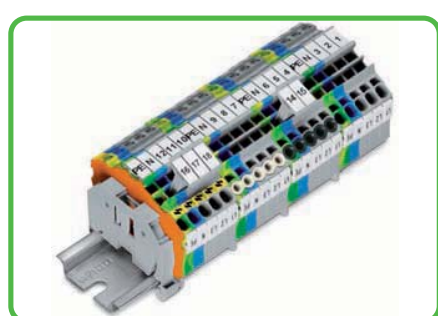
- ① Conductor sizes: 0.25 mm² - 4 mm² "s + f-st"; Push-in conductor sizes: 0.75 mm² - 4 mm² "s" and 0.75 mm² - 2.5 mm² "insulated ferrule, 12 mm"
- ② 800 V = rated voltage
8 kV = rated surge voltage
3 = pollution degree
(also see Section 14)
- ③ Strip length, see packaging or instructions.
- ④ Suitable for Ex i applications
- ⑤ Suitable for Ex e II applications
550 V, 22 A
Jumper 20 A
(also see Section 14)
- ⑥ See application notes for:
Ex e/Ex i separator plate, page 48

Item No.	Pack. Unit	
4-conductor through terminal block		
gray ⑤	2002-6401	⑤ 100
blue ⑤	2002-6404	④ ⑤ 100
orange ⑤	2002-6402	⑤ 100
4-conductor ground terminal block		
green-yellow ⑤	2002-6407	⑤ 100
Additional colors pending		
Notice: These terminal blocks cannot be commoned with push-in type jumper bars.		



3- and 4-conductor terminal blocks of angled type
 The TOPJOB®S rail-mounted terminal blocks have 35-degree conductor entry angle of permitting a very small bend radius and an extremely short wiring distance to the cable duct. For applications in switchgear and control cabinets using the LSC wiring system from Lütze, e.g., these terminal blocks are a space- and cost-saving solution. This allows the cable duct to be placed very close to the terminal blocks, keeping its height relatively low.

2002 Series Accessories		
Appropriate marking systems: WMB/Marking strips/WMB Inline (see Section 13)		
End and intermediate plate, 0.8 mm thick	WMB Multi marking system, plain,	
orange 2002-6392 100 (4x25)	10 strips with 10 markers per card, stretchable 5 - 5.2 mm	
gray 2002-6391 100 (4x25)	yellow 793-5501/000-002	
Ex e/Ex i separator, orange,	red 793-5501/000-005	
⑥ 3 mm thick	blue 793-5501/000-006	
120 mm 209-191 50 (2x25)	gray 793-5501/000-007	
Insulation stop,	orange 793-5501/000-012	
5 pcs/strip,	light green 793-5501/000-017	
0.25 - 0.5 mm ²	green 793-5501/000-023	
light gray 2002-171 200 (8x25)	violet 793-5501/000-024	5
Insulation stop,	Screwless end stop,	
5 pcs/strip,	for DIN 35 rail,	
0.75 - 1 mm ²	6 mm/0.236 in wide	
dark gray 2002-172 200 (8x25)	gray 249-116 100 (4x25)	
Protective warning marker,	Screwless end stop,	
with high-voltage symbol, black,	for DIN 35 rail,	
for 5 terminal blocks	10 mm/0.394 in wide	
yellow 2002-115 100 (4x25)	gray 249-117 50 (2x25)	
WMB Inline, plain,		
stretchable 5 - 5.2 mm,		
1,500 WMB markers, 5 mm, on roll		
white 2009-115 1		
WMB Multi marking system,		
10 strips with 10 markers per card,		
stretchable 5 - 5.2 mm		
plain 793-5501 5		
Marking strip, plain,		
11 mm wide,		
50 m roll		
white 2009-110 1		



- Product features:**
- CAGE CLAMP®S connection for all conductor types, with the additional benefit of stripped solid wires and fine-stranded ferruled wires being simply pushed in
 - Vibration-proof, fast, maintenance-free terminations
 - 3-conductor through and ground conductor terminal blocks equipped with a dual jumper slot
 - 4-conductor terminal blocks permit potential multiplication - no additional jumpers or terminal blocks needed
 - 3- and 4-conductor terminal blocks have the same dimensions

An end plate must be applied when changing from a 3-conductor terminal block to a 4-conductor terminal block and vice versa.
 Also see page 49.

For list of approvals and user guide, see pages 540 and 542.