


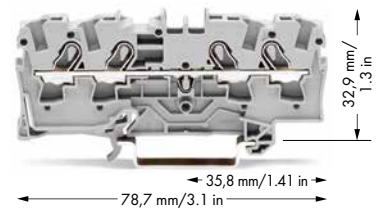
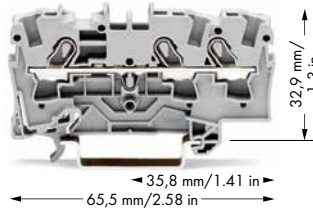
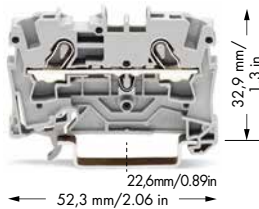


TOPJOB® S

Through/Ground Conductor/Shield and Ex Terminal Blocks

4 (6) mm², 2004 Series

0.5 ... 4 (6) mm² ① 800 V/8 kV/3 ② I_N 32 A (41 A) Terminal block width 6.2 mm / 0.244 inch  11 ... 13 mm / 0.43 ... 0.51 inch	20 ... 10 AWG 600 V, 30 A ③ 600 V, 30 A ④	0.5 ... 4 (6) mm² ① 800 V/8 kV/3 ② I_N 32 A (41 A) Terminal block width 6.2 mm / 0.244 inch  11 ... 13 mm / 0.43 ... 0.51 inch	20 ... 10 AWG 600 V, 30 A ③ 600 V, 30 A ④	0.5 ... 4 (6) mm² ① 800 V/8 kV/3 ② I_N 32 A (41 A) Terminal block width 6.2 mm / 0.244 inch  11 ... 13 mm / 0.43 ... 0.51 inch	20 ... 10 AWG 600 V, 30 A ③ 600 V, 30 A ④
--	--	---	--	---	--



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 2004-1201 ④	50	gray ⑤ 2004-1301 ④	50	gray ⑤ 2004-1401 ④	50
blue ⑤ 2004-1204 ③ ④	50	blue ⑤ 2004-1304 ③ ④	50	blue ⑤ 2004-1404 ③ ④	50
orange ⑤ 2004-1202 ④	50	orange ⑤ 2004-1302 ④	50	orange ⑤ 2004-1402 ④	50
red ⑤ 2004-1203 ④	50	red ⑤ 2004-1303 ④	50	red ⑤ 2004-1403 ④	50
black ⑤ 2004-1205 ④	50	black ⑤ 2004-1305 ④	50	black ⑤ 2004-1405 ④	50
yellow ⑤ 2004-1206 ④	50	yellow ⑤ 2004-1306 ④	50	yellow ⑤ 2004-1406 ④	50
2-conductor ground terminal block		3-conductor ground terminal block		4-conductor ground terminal block	
green-yellow ⑤ 2004-1207 ④	50	green-yellow ⑤ 2004-1307 ④	50	green-yellow ⑤ 2004-1407 ④	50
Other terminal blocks with the same profile:		Other terminal blocks with the same profile:		Other terminal blocks with the same profile:	
Diode 2004-1211/1000-401 Page 112		Diode 2004-1311/1000-401 Page 112		Diode 2004-1411/1000-401 Page 112	

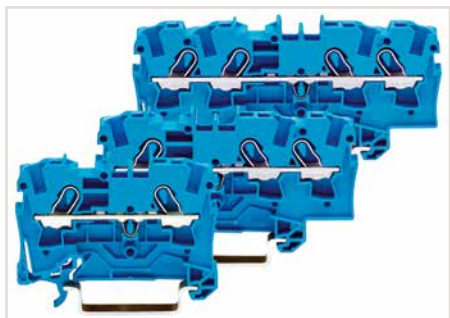
Item-Specific Accessories		Item-Specific Accessories		Item-Specific Accessories	
End and intermediate plate, 1 mm thick		End and intermediate plate, 1 mm thick		End and intermediate plate, 1 mm thick	
orange 2004-1292 100 (4x25)		orange 2004-1392 100 (4x25)		orange 2004-1492 100 (4x25)	
gray 2004-1291 100 (4x25)		gray 2004-1391 100 (4x25)		gray 2004-1491 100 (4x25)	
Separator, oversized, 2 mm thick		Separator, oversized, 2 mm thick		Separator, oversized, 2 mm thick	
orange 2004-1294 100 (4x25)		orange 2004-1394 100 (4x25)		orange 2004-1494 100 (4x25)	
gray 2004-1293 100 (4x25)		gray 2004-1393 100 (4x25)		gray 2004-1493 100 (4x25)	
Separator for Ex e/Ex i applications, 3 mm thick, orange		Separator for Ex e/Ex i applications, 3 mm thick, orange		Separator for Ex e/Ex i applications, 3 mm thick, orange	
90 mm 209-190 50 (2x25)		120 mm 209-191 50 (2x25)		120 mm 209-191 50 (2x25)	
120 mm 209-191 50 (2x25)					

2004 Series Accessories

Appropriate marking systems: WMB/Marking strips

Insulation stop, 5 pcs/strip, 0.25 ... 0.5 mm² light gray 2004-171 200 (8x25)	Insulation stop, 5 pcs/strip, 0.75 ... 1 mm² dark gray 2004-172 200 (8x25)	Delta jumper, insulated, I_N = I_N terminal block, light gray ⑤ 1-2 3-4 5-6 2004-406/020-000 100 (4x25)
Push-in type jumper bar, insulated, I_N 32 A, light gray 2-way 2004-402 200 (8x25) 3-way 2004-403 200 (8x25) 4-way 2004-404 100 (4x25) 5-way 2004-405 100 (4x25) 6-way 2004-406 100 (4x25) 7-way 2004-407 100 (4x25) 8-way 2004-408 100 (4x25) 9-way 2004-409 100 (4x25) 10-way 2004-410 100 (4x25)	Push-in type jumper bar, insulated, I_N 32 A, light gray from 1 to 3 2004-433 200 (8x25) from 1 to 4 2004-434 200 (8x25) from 1 to 5 2004-435 100 (4x25) from 1 to 6 2004-436 100 (4x25) from 1 to 7 2004-437 100 (4x25) from 1 to 8 2004-438 100 (4x25) from 1 to 9 2004-439 100 (4x25) from 1 to 10 2004-440 100 (4x25)	Star point jumper, insulated, I_N = I_N terminal block, light gray ⑤ gray 1-3-5 2004-405/011-000 100 (4x25)
		Step-down jumper, insulated, commons 6/4 mm² ⑤ (10/12 AWG) to 4/2.5/1.5 mm ² (12/14/16 AWG), I _N 32 A light gray 2006-499 50 (2x25)
		Protective warning marker, with black high-voltage symbol, for 5 terminal blocks yellow 2004-115 100 (4x25)

TOPJOB® S Terminal Blocks for Ex i or Ex e II Applications

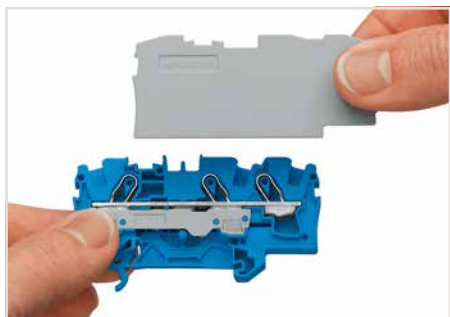


Through terminal blocks with a blue insulated housing are suitable for Ex i applications.



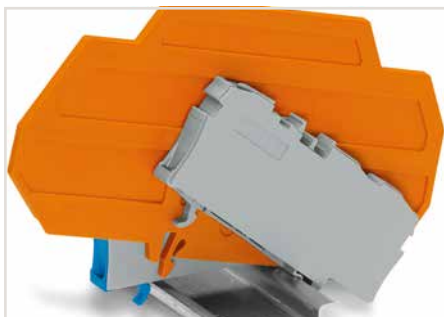
All through and ground conductor terminal blocks are suitable for Ex e II applications.

- ❶ Conductor range: 0.5 ... 6 mm² "s + f-st";
Push-in termination: 1 ... 6 mm² "s"
and 0.75 ... 4 mm²
"insulated ferrule, 12 mm"
- ❷ 800 V = rated voltage
8 kV = rated surge voltage
3 = pollution degree
(see Full Line Catalog, Volume 1, Section 14)
- ❸ Suitable for Ex i applications
- ❹ Suitable for Ex e II applications
550 V, 30 A
(see Full Line Catalog, Volume 1, Section 14)
- ❺ See application notes for:
Delta jumper, page 189
Star point jumper, page 189
Step-down jumper, page 33
TOPJOB® S connector, page 184
Banana plug, page 235
TOPJOB® S group marker carrier, page 217



Separator for Ex e/Ex applications

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




Ex e II/Ex i terminal strip

Notice:

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

2004 Series Accessories


Modular TOPJOB® S connector, snaps together, for jumper contact slot

❺  gray **2004-511** 100 (4x25)


Spacer module, snaps together, bridges commoned terminal blocks

 gray **2004-549** 100 (4x25)


End plate, for modular TOPJOB® S connector, 1.5 mm thick

 gray **2004-541** 100 (4x25)

Test plug adapter, for 4 mm Ø test plug

 gray **2009-174** 100 (4x25)


Banana plug, for 4 mm socket diameter, color mixed, 10 x

❺  orange, white, black, blue, yellow **215-111** 50


Testing tap, for max. 2.5 mm²

 gray **2009-182** 100 (4x25)


Test plug, with 500 mm cable, 2 mm Ø, max. 42 V

 red **210-136** 50


Test plug, with 500 mm cable, 2.3 mm Ø, max. 42 V

 yellow **210-137** 50


WMB Multi marking system, white, 10 strips with 10 markers per card, 5 ... 5.2 mm stretchable

 plain **793-5501** 5


Marking strip, plain, 11 mm wide, 50 m reel

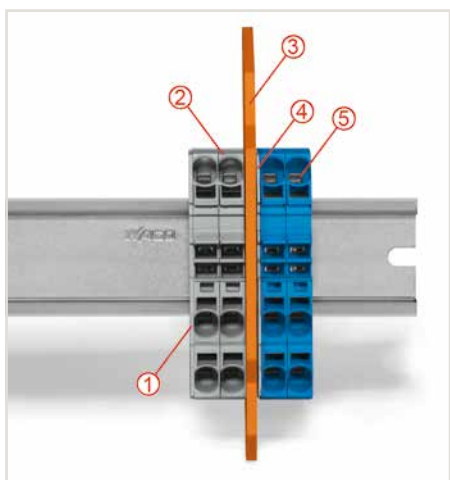
 white **2009-110** 1

TOPJOB® S group marker carrier, snap-on type for jumper slot, 5 mm wide

❺  gray **2009-191** 50 (2x25)

Screwless end stop, for DIN-35 rail, 6 mm wide

 gray **249-116** 100 (4x25)



Separator located between Ex e II and Ex i terminal strip

- ❶ End plate
- ❷ Ex e II terminal blocks
- ❸ Separator for Ex e/Ex i applications
- ❹ End plate
- ❺ Ex i terminal blocks

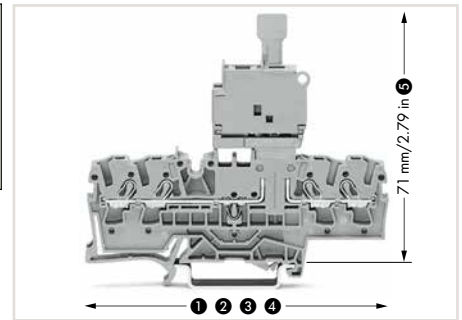


Example of marking (rear):

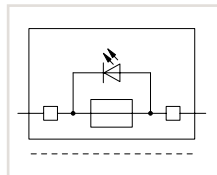
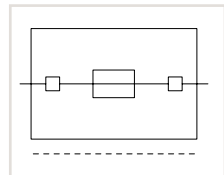
The embossed details on the terminal blocks show the manufacturer's name, the series no., the type of protection Ex e II, the approval no., the approval data and the name of the test authority.

TOPJOB® S Fuse Plugs on 2.5 (4) mm² Carrier Terminal Blocks

<p>Fuse plug with pull-tab for miniature fuses 5 x 20 mm 250 V / I_N 6.3 A Plug width 6.1 mm / 0.24 inch</p>	<p>Fuse plug with pull-tab for miniature fuses 5 x 20 mm 250 V / I_N 6.3 A Plug width 6.1 mm / 0.24 inch</p>
--	--



Fuse plug dimensions:
 ① 66.1 mm / 2.62 inch for 2002-1661
 ② 76.8 mm / 3.02 inch for 2002-1761
 ③ 87.5 mm / 3.45 inch for 2002-1861
 ④ 72.9 mm / 2.87 inch for 2002-1961
 ⑤ with inserted fuse plug



Item No.	Pack. Unit	Item No.	Pack. Unit
Fuse plug with pull-tab, for (5 x 20) mm miniature metric fuses Electrical ratings are given by the fuse.		Fuse plug with pull-tab, for (5 x 20) mm miniature metric fuses, with LED, gray Electrical ratings are given by the fuse and blown fuse indication. Leakage current in case of a blown fuse: LED 2 mA	
○ gray 2004-911	50	○ 12 ... 30 V 2004-911/1000-541	50
		○ 30 ... 65 V 2004-911/1000-542	50
		○ 120 V 2004-911/1000-867	50
		○ 230 V 2004-911/1000-836	50



Accessories		
WMB Multi marking system, white, 10 strips with 10 markers per card, 5 ... 5.2 mm stretchable		
	plain	793-5501 5
WMB Multi marking system, plain, 10 strips with 10 markers per card, 5 ... 5.2 mm stretchable		
	yellow	793-5501/000-002
	red	793-5501/000-005
	blue	793-5501/000-006
	gray	793-5501/000-007
	orange	793-5501/000-012
	light green	793-5501/000-017
	green	793-5501/000-023
	violet	793-5501/000-024

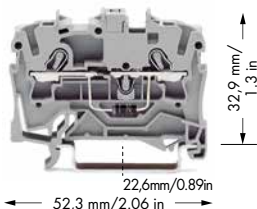
Accessories	
Appropriate marking systems: WMB/Marking strips	
① 2-conductor carrier terminal block, 0.25 ... 2.5 (4) mm ² / 22 ... 12 AWG Terminal block width 5.2 mm / 0.205 inch gray 2002-1661 50	④ 2-conductor carrier terminal block, 0.25 ... 2.5 (4) mm ² / 22 ... 12 AWG Terminal block width 5.2 mm / 0.205 inch gray 2002-1961 50
End and intermediate plate, 1 mm thick orange 2002-1692 100 (4x25) gray 2002-1691 100 (4x25)	End and intermediate plate, 1 mm thick orange 2002-1992 100 (4x25) gray 2002-1991 100 (4x25)
② 3-conductor carrier terminal block, 0.25 ... 2.5 (4) mm ² / 22 ... 12 AWG Terminal block width 5.2 mm / 0.205 inch gray 2002-1761 50	Double-deck carrier terminal block, 0.25 ... 2.5 (4) mm ² / 22 ... 12 AWG Terminal block width 5.2 mm / 0.205 inch L/L 2002-2961 50
End and intermediate plate, 1 mm thick orange 2002-1792 100 (4x25) gray 2002-1791 100 (4x25)	Double-deck carrier terminal block, 0.25 ... 2.5 (4) mm ² / 22 ... 12 AWG Terminal block width 5.2 mm / 0.205 inch L/N 2002-2963 50
③ 4-conductor carrier terminal block, 0.25 ... 2.5 (4) mm ² / 22 ... 12 AWG Terminal block width 5.2 mm / 0.205 inch gray 2002-1861 50	End and intermediate plate, 1 mm thick orange 2002-2992 100 (4x25) gray 2002-2991 100 (4x25)
End and intermediate plate, 1 mm thick orange 2002-1892 100 (4x25) gray 2002-1891 100 (4x25)	End plate for fuse terminal blocks, 2 mm thick orange 2002-992 100 (4x25) gray 2002-991 100 (4x25)
	Shorting link, (5 x 20) mm, allows the fuse plug to be used as a disconnect plug I _N 6.3 A 281-503 250 (10x25)

TOPJOB® S

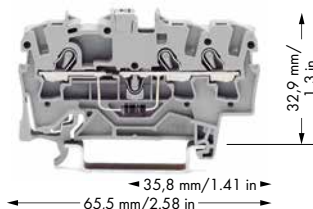
Diode Terminal Blocks

4 (6) mm², 2004 Series

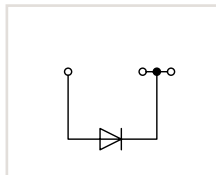
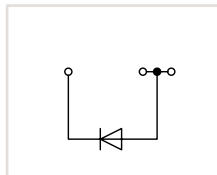
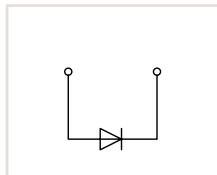
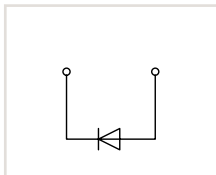
0.5 ... 4 (6) mm ² ① 20 ... 10 AWG U _N 250 V, U _{RM} 1000 V 1N5408 - 1.5 A continuous current Terminal block width 6.2 mm / 0.244 inch  11 ... 13 mm / 0.43 ... 0.51 inch	0.5 ... 4 (6) mm ² ① 20 ... 10 AWG U _N 250 V, U _{RM} 1000 V 1N5408 - 1.5 A continuous current Terminal block width 6.2 mm / 0.244 inch  11 ... 13 mm / 0.43 ... 0.51 inch
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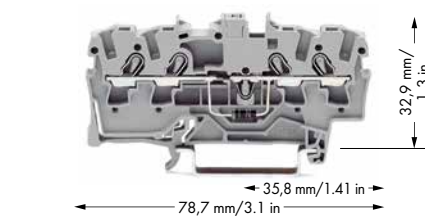
2004-1211/1000-401 2004-1211/1000-400



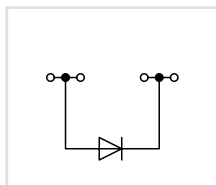
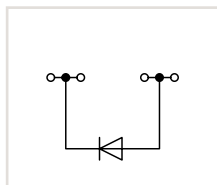
2004-1311/1000-401 2004-1311/1000-400



Item No.	Pack. Unit	Item No.	Pack. Unit
2-conductor diode terminal block, with 1N5408 diode		3-conductor diode terminal block, with 1N5408 diode	
○ gray 2004-1211/1000-401	50	○ gray 2004-1311/1000-401	50
○ gray 2004-1211/1000-400	50	○ gray 2004-1311/1000-400	50



2004-1411/1000-401 2004-1411/1000-401

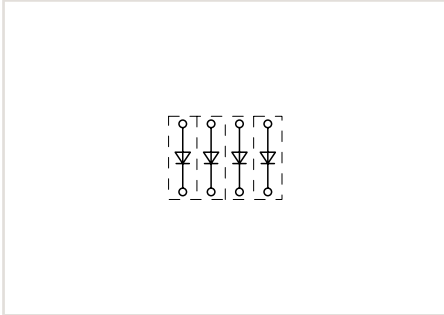


Item No.	Pack. Unit
Through terminal blocks with same profile, see page 28	
4-conductor diode terminal block, with 1N5408 diode	
○ gray 2004-1411/1000-401	50
○ gray 2004-1411/1000-400	50

TOPJOB® S

Diode Terminal Blocks

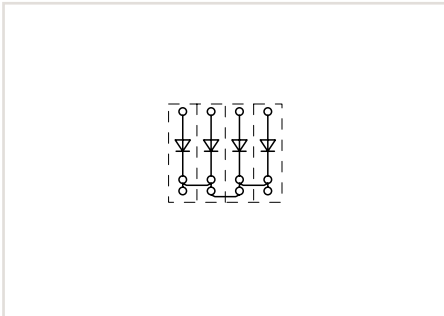
Circuit Configuration Examples



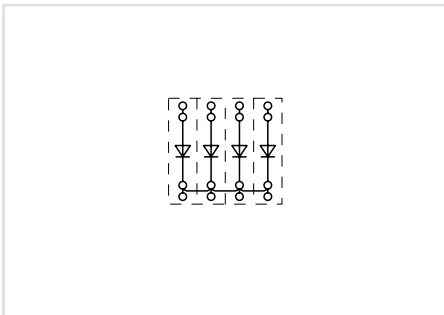
Open diode gates can be created using the following terminal blocks:
2004-1211/1000-400 or 2004-1211/1000-401



These diode terminal blocks have been specially developed for custom diode circuits, such as lamp test and collective fault signal circuits.



Open diode gates can be created using the following terminal blocks:
2004-1311/1000-400 or 2004-1311/1000-401



Open diode gates can be created using the following terminal blocks:
2004-1411/1000-400 or 2004-1411/1000-401





- 1 Conductor range: 0.5 ... 6 mm² "s + f-st";
Push-in termination: 1 ... 6 mm² "s"
and 0.75 ... 2.5 mm²
"insulated ferrule, 12 mm"

2004 Series Accessories			
Appropriate marking system			
Insulation stop, 5 pcs/strip, 0.25 ... 0.5 mm ²			
	light gray	2004-171	200 (8x25)
Insulation stop, 5 pcs/strip, 0.75 ... 1 mm ²			
	dark gray	2004-172	200 (8x25)
Push-in type jumper bar, insulated, I _N 32 A, light gray			
	2-way	2004-402	200 (8x25)
	3-way	2004-403	200 (8x25)
	4-way	2004-404	100 (4x25)
	5-way	2004-405	100 (4x25)
	6-way	2004-406	100 (4x25)
	7-way	2004-407	100 (4x25)
	8-way	2004-408	100 (4x25)
	9-way	2004-409	100 (4x25)
	10-way	2004-410	100 (4x25)
Push-in type jumper bar, insulated, I _N 32 A, light gray			
	from 1 to 3	2004-433	200 (8x25)
	from 1 to 4	2004-434	200 (8x25)
	from 1 to 5	2004-435	100 (4x25)
	from 1 to 6	2004-436	100 (4x25)
	from 1 to 7	2004-437	100 (4x25)
	from 1 to 8	2004-438	100 (4x25)
	from 1 to 9	2004-439	100 (4x25)
	from 1 to 10	2004-440	100 (4x25)
Wire commoning chain, 50 connections, insulated, I _N 8 A			
	black	210-103	1
Wire commoning chain, 50 connections, insulated, I _N 8 A			
	blue	210-123	1


TOPJOB® S

Modular Connectors and Connector Strips

4 (6) mm², 2004, 2006, 2010 and 2016 Series






0.5 ... 4 (6) mm ² ① 20 ... 10 AWG 500 V/6 kV/3 ② 300 V, 30 A  I _N 32 A Terminal block width 6.2 mm / 0.244 inch  11 ... 13 mm / 0.43 ... 0.51 inch	0.5 ... 4 (6) mm ² ① 20 ... 10 AWG 500 V/6 kV/3 ② I _N 32 A Terminal block width 7.5 mm / 0.295 inch  11 ... 13 mm / 0.43 ... 0.51 inch	0.5 ... 4 (6) mm ² ① 20 ... 10 AWG 500 V/6 kV/3 ② I _N 32 A Terminal block width 10 mm / 0.394 inch  11 ... 13 mm / 0.43 ... 0.51 inch
--	--	---



Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
Modular TOPJOB® S connector, for jumper contact slot, snaps together, gray		Modular TOPJOB® S connector, for jumper contact slot, snaps together, gray		Modular TOPJOB® S connector, for jumper contact slot, snaps together, gray	
○ 1-pole 2004-511	100 (4x25)	○ 1-pole 2006-511	50 (2x25)	○ 1-pole 2010-511	50 (2x25)
Spacer module, snaps together, bridges commoned terminal blocks		Spacer module, snaps together, bridges commoned terminal blocks		Spacer module, snaps together, bridges commoned terminal blocks	
○ gray 2004-549	100 (4x25)	○ gray 2006-549	50 (2x25)	○ gray 2010-549	50 (2x25)
TOPJOB® S connector strip, for jumper contact slot, gray					
○ 2-pole 2004-552	25				
○ 3-pole 2004-553	25				
○ 4-pole 2004-554	25				
○ 5-pole 2004-555	10				
Item-Specific Accessories					
Test plug, with 500 mm cable, 2.3 mm Ø, max. 42 V					
	yellow 210-137	50			

Accessories

Appropriate marking systems: WMB/Marking strips

End plate, for modular TOPJOB® S connector, 1.5 mm thick  gray 2004-541 100 (4x25)	Strain relief plate, gray  35 mm wide 734-326 100 (4x25) 6 mm wide 734-327 100 (4x25) 12.5 mm wide 734-328 100 (4x25) 25 mm wide 734-329 100 (4x25)	Marking strip, plain, 11 mm wide, 50 m reel  white 2009-110 1
Test plug, with 500 mm cable, 2 mm Ø, max. 42 V  red 210-136 50		WMB Multi marking system, white, 10 strips with 10 markers per card, 5 ... 5.2 mm stretchable  plain 793-5501 5

TOPJOB® S

Star Point Jumpers and Delta Jumpers

<p>Star point jumper 800 V/8 kV/3 $I_N = I_N$ terminal block</p>	<p>Delta jumper 800 V/8 kV/3 $I_N = I_N$ terminal block</p>
--	---



Item No.	Pack. Unit	Item No.	Pack. Unit
Star point jumper, insulated, 1-3-5, light gray		Delta jumper, insulated, 1-2 3-4 5-6, light gray	
○ 2000-405/011-000	100 (4x25)	○ 2000-406/020-000	100 (4x25)
○ 2001-405/011-000	100 (4x25)	○ 2001-406/020-000	100 (4x25)
○ 2002-405/011-000	100 (4x25)	○ 2002-406/020-000	100 (4x25)
○ 2004-405/011-000	100 (4x25)	○ 2004-406/020-000	100 (4x25)
○ 2006-405/011-000	50 (2x25)		
○ 2010-405/011-000	50 (2x25)		
○ 2016-405/011-000	50 (2x25)		



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.