

# TOPJOB® Rail-Mounted Terminal Blocks 2000, 2001, 2002, 2004, 2006, 2010 and 2016 Series

## Conductor termination/removal



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 pushed in directly - without tools.



With screwdriver: The operation of the clamp remains the same for unprepared fine-stranded conductors or small cross sections that don't allow push-in termination.

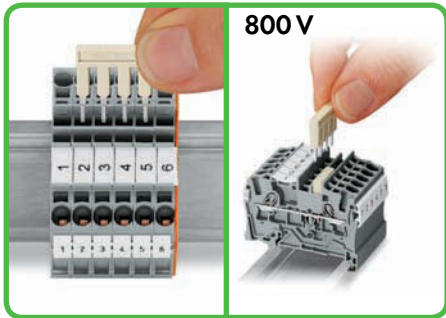
## Testing



Testing of TOPJOB®S rail-mounted terminal blocks using test plug adapter or testing tap

Like the original CAGE CLAMP®, a screwdriver is used for conductor removal with CAGE CLAMP®S.

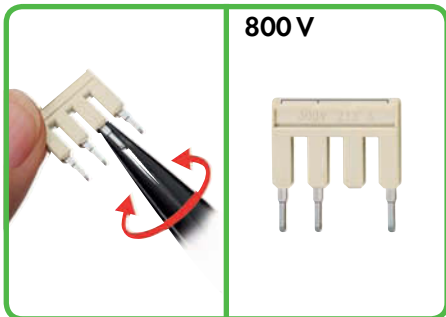
## Commoning



800 V

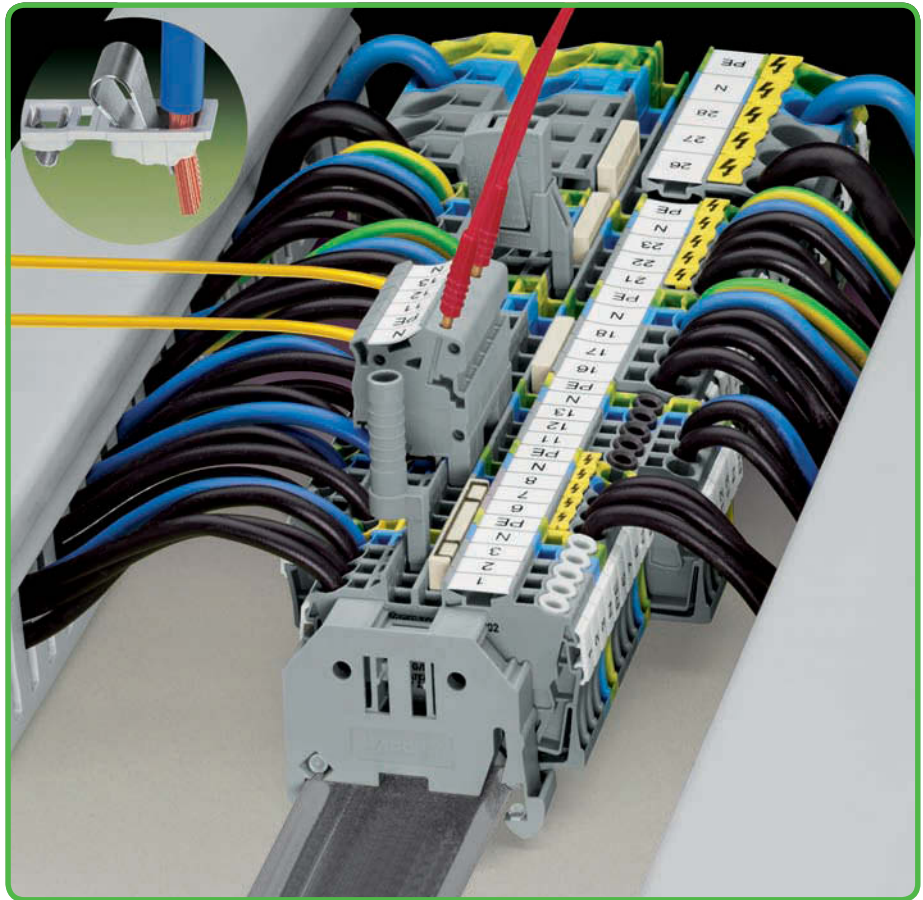
Twin integrated, spring-loaded jumper system allows use of comb-style jumper bars, test plugs and connectors. Jumper bars rated at 800 V (ex works).

## Commoning



800 V

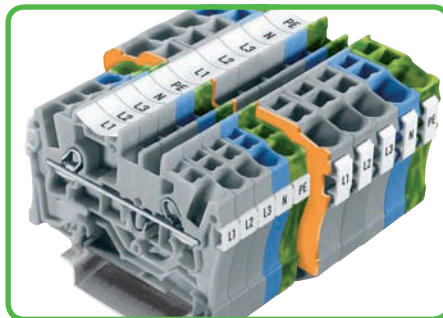
Jumper contacts that are not required can be broken off and removed, the upper-side of the jumper can then be marked accordingly. Applies to 2001, 2002 and 2004 Series.



## Marking

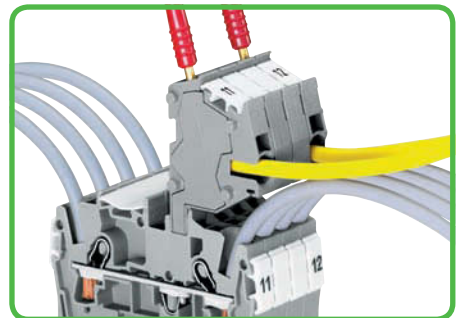


A thermal transfer printer and WAGO "smartDESIGNER" software generate the marking.



TOPJOB®S offers three marking positions for WMB markers, miniature WSB markers or a full-length marking strip.

## Pre-assembled connectors



Pre-assembled connectors with CAGE CLAMP®S connection provide an additional connection option.

CAGE CLAMP®S clamps the following copper conductors:



solid



stranded



fine-stranded



tip bonded



with ferrule



with pin terminal

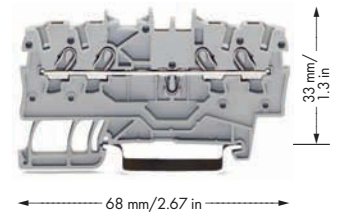
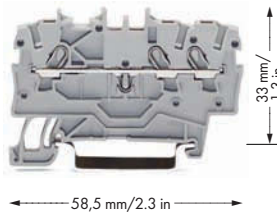
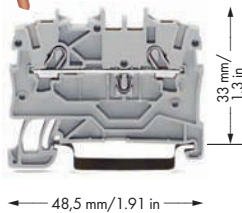
Strip length, see packaging or instructions.

# TOPJOB® Rail-Mounted Terminal Blocks 1.0 (1.5) mm<sup>2</sup> 2000 Series

CAGE CLAMP® S

<b>0.14 - 1.0 (1.5) mm<sup>2</sup> ①</b> AWG 24 - 16 800 V/6 kV/3 I <sub>N</sub> 13.5 A (18 A) Terminal block width 3.5 mm / 0.138 in 9 - 11 mm / 0.39 in ② Approvals	<b>0.14 - 1.0 (1.5) mm<sup>2</sup> ①</b> AWG 24 - 16 800 V/6 kV/3 I <sub>N</sub> 13.5 A (18 A) Terminal block width 3.5 mm / 0.138 in 9 - 11 mm / 0.39 in ② Approvals	<b>0.14 - 1.0 (1.5) mm<sup>2</sup> ①</b> AWG 24 - 16 800 V/6 kV/3 I <sub>N</sub> 13.5 A (18 A) Terminal block width 3.5 mm / 0.138 in 9 - 11 mm / 0.39 in ② Approvals
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① Conductor sizes: 0.14 - 1.5 mm<sup>2</sup> "s + fst";  
 Push-in conductor sizes: 0.5 - 1.5 mm<sup>2</sup> "s" and 0.5 - 1 mm<sup>2</sup> "insulated ferrule, 12 mm"



Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
<b>2-conductor through terminal block</b>			<b>3-conductor through terminal block</b>			<b>4-conductor through terminal block</b>		
gray	2000-1201	100	gray	2000-1301	100	gray	2000-1401	100
blue	2000-1204	100	blue	2000-1304	100	blue	2000-1404	100
orange	2000-1202	100	orange	2000-1302	100	orange	2000-1402	100
red	2000-1203	100	red	2000-1303	100	red	2000-1403	100
black	2000-1205	100	black	2000-1305	100	black	2000-1405	100
yellow	2000-1206	100	yellow	2000-1306	100	yellow	2000-1406	100
<b>2-conductor ground terminal block</b>			<b>3-conductor ground terminal block</b>			<b>4-conductor ground terminal block</b>		
green-yellow	2000-1207	100	green-yellow	2000-1307	100	green-yellow	2000-1407	100

### Item-Specific Accessories

<b>End and intermediate plate, 0.7 mm thick</b> orange 2000-1292 100 (4x25) gray 2000-1291 100 (4x25)	<b>End and intermediate plate, 0.7 mm thick</b> orange 2000-1392 100 (4x25) gray 2000-1391 100 (4x25)	<b>End and intermediate plate, 0.7 mm thick</b> orange 2000-1492 100 (4x25) gray 2000-1491 100 (4x25)
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### 2000 Series Accessories




Appropriate marking systems: **WMB/Marking Strips**

<b>Push-in type jumper bar, insulated, I<sub>N</sub> 14 A, light gray</b> 2-way 2000-402 200 (8x25) 3-way 2000-403 200 (8x25) 4-way 2000-404 200 (8x25) 5-way 2000-405 100 (4x25) : 10-way 2000-410 100 (4x25)	<b>Push-in type jumper bar, insulated, I<sub>N</sub> 14 A, light gray</b> 1 - 3 2000-433 200 (8x25) 1 - 4 2000-434 200 (8x25) 1 - 5 2000-435 100 (4x25) : 1 - 10 2000-440 100 (4x25)	<b>Star point jumper, insulated,</b> I <sub>N</sub> = I <sub>N</sub> terminal block, light gray 1-3-5 2000-405/011-000 100 (4x25)
<b>Protective warning marker, with high-voltage symbol, for 5 terminal blocks</b> yellow 2000-115 100 (4x25)	<b>WMB Multi marking system,</b> 10 strips with 10 markers per card for 3.5 mm terminal block width, plain 793-3501 50 (10x5)	<b>Marking strips, plain</b> 11 mm wide, 50m roll white 2009-110 1
<b>Operating tool with partially insulated shaft,</b> type 1, (2.5 x 0.4) mm blade 210-719 1	Suitable for Ex i applications	<b>Test plug adapter, for test plug 4 mm Ø</b> gray 2009-174 100 (4x25)
<b>Insulated ferrules, extra long,</b> for TOPJOB®S terminal blocks see page 195		<b>Testing tap, for max. 2.5 mm<sup>2</sup>/AWG 14</b> gray 2009-182 100 (4x25)

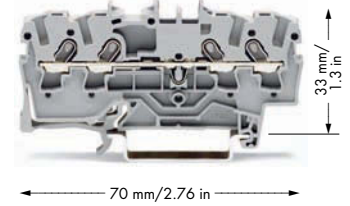
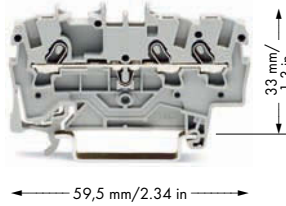
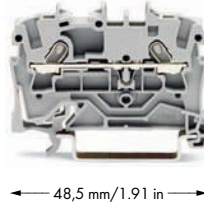
② Approvals are available online at: [www.wago.com](http://www.wago.com).

For technical explanations and abbreviations, see technical section.

# TOPJOB® Through/Ground Conductor and Ex Terminal Blocks 1.5 (2.5) mm<sup>2</sup> 2001 Series







<b>0.25 - 1.5 (2.5) mm<sup>2</sup> ①</b> AWG 22 - 14 800 V/8 kV/3 I <sub>N</sub> 18 A (24 A) Terminal block width 4.2 mm / 0.165 in  9 - 11 mm / 0.39 in ② Approvals	<b>0.25 - 1.5 (2.5) mm<sup>2</sup> ①</b> AWG 22 - 14 800 V/8 kV/3 I <sub>N</sub> 18 A (24 A) Terminal block width 4.2 mm / 0.165 in  9 - 11 mm / 0.39 in ② Approvals	<b>0.25 - 1.5 (2.5) mm<sup>2</sup> ①</b> AWG 22 - 14 800 V/8 kV/3 I <sub>N</sub> 18 A (24 A) Terminal block width 4.2 mm / 0.165 in  9 - 11 mm / 0.39 in ② Approvals
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① Conductor sizes: 0.25 - 2.5 mm<sup>2</sup> "s + f-st";  
 Push-in conductor sizes: 0.5 - 2.5 mm<sup>2</sup> "s" and  
 0.75 - 1.5 mm<sup>2</sup> "insulated ferrule, 12 mm"






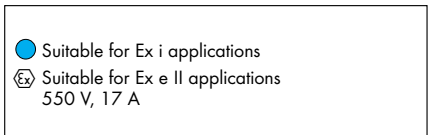



Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
<b>2-conductor through terminal block</b>			<b>3-conductor through terminal block</b>			<b>4-conductor through terminal block</b>		
gray Ex	2001-1201	100	gray Ex	2001-1301	100	gray Ex	2001-1401	100
blue Ex	2001-1204	100	blue Ex	2001-1304	100	blue Ex	2001-1404	100
orange Ex	2001-1202	100	orange Ex	2001-1302	100	orange Ex	2001-1402	100
red Ex	2001-1203	100	red Ex	2001-1303	100	red Ex	2001-1403	100
black Ex	2001-1205	100	black Ex	2001-1305	100	black Ex	2001-1405	100
yellow Ex	2001-1206	100	yellow Ex	2001-1306	100	yellow Ex	2001-1406	100
<b>2-conductor ground terminal block</b>			<b>3-conductor ground terminal block</b>			<b>4-conductor ground terminal block</b>		
green-yellow Ex	2001-1207	100	green-yellow Ex	2001-1307	100	green-yellow Ex	2001-1407	100
<b>Other terminal blocks with the same profile:</b>			<b>Other terminal blocks with the same profile:</b>			<b>Other terminal blocks with the same profile:</b>		
Diode	2001-1211/1000-411	Volume 1	Diode	2001-1311/1000-411	Volume 1	Diode	2001-1411/1000-411	Volume 1
			LED	2001-1321/1000-434	Volume 1	Diode	2001-1411/1000-434	Volume 1
						Double-potential	2001-1441	Volume 1

## Item-Specific Accessories Separator for Ex e/Ex i applications, see page 30

<b>End and intermediate plate, 0.8 mm thick</b>  orange 2002-1292 100 (4x25) gray 2002-1291 100 (4x25)	<b>End and intermediate plate, 0.8 mm thick</b>  orange 2002-1392 100 (4x25) gray 2002-1391 100 (4x25)	<b>End and intermediate plate, 0.8 mm thick</b>  orange 2002-1492 100 (4x25) gray 2002-1491 100 (4x25)
<b>Separator, oversized, 0.8 mm thick</b>  orange 2002-1294 100 (4x25) gray 2002-1293 100 (4x25)	<b>Separator, oversized, 0.8 mm thick</b>  orange 2002-1394 100 (4x25) gray 2002-1393 100 (4x25)	<b>Separator, oversized, 0.8 mm thick</b>  orange 2002-1494 100 (4x25) gray 2002-1493 100 (4x25)

## 2001 Series Accessories Appropriate marking systems: WMB/Marking Strips

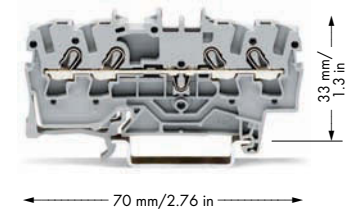
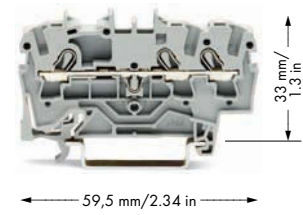
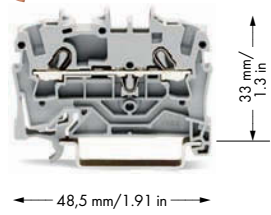
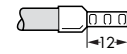
<b>Push-in type jumper bar, insulated, I<sub>N</sub> 18 A, light gray</b>  2-way 2001-402 200 (8x25) 3-way 2001-403 200 (8x25) 4-way 2001-404 200 (8x25) : : 10-way 2001-410 100 (4x25)	<b>Push-in type jumper bar, insulated, I<sub>N</sub> 18 A, light gray</b>  1 - 3 2001-433 200 (8x25) 1 - 4 2001-434 200 (8x25) 1 - 5 2001-435 100 (4x25) : : 1 - 10 2001-440 100 (4x25)	<b>Push-in type wire jumper, insulated, I<sub>N</sub> 16 A, wire size 1.5 mm<sup>2</sup>/AWG 16</b>  60 mm 2009-412 100 (10x10) 110 mm 2009-414 100 (10x10) 250 mm 2009-416 100 (10x10)
<b>Insulation stop,</b> 5 pcs/strip, 0.25 - 0.5 mm <sup>2</sup> light gray 2001-171 200 (8x25)	<b>Protective warning marker, with high-voltage symbol, for 5 terminal blocks</b>  yellow 2001-115 100 (4x25)	<b>TOPJOB'S connector, modular, for jumper contact slot</b>  gray 2001-511 100 (4x25)
<b>WMB Multi marking system,</b> 10 strips with 10 markers per card, stretchable 4 - 4.2 mm plain 793-4501 5	 ● Suitable for Ex i applications ☒ Suitable for Ex e II applications 550 V, 17 A	<b>Spacer module</b> gray 2001-549 100 (4x25)
<b>Marking strip, plain,</b> 11 mm wide, 50m roll white 2009-110 1		<b>Operating tool with partially insulated shaft,</b> type 1, (2.5 x 0.4) mm blade 210-719 1
<b>Insulated ferrules, extra long, for TOPJOB'S terminal blocks see page 195</b> 		

② Approvals are available online at: [www.wago.com](http://www.wago.com).

For technical explanations and abbreviations, see technical section.

<p>0.25 - 2.5 (4) mm<sup>2</sup> ①   AWG 22 - 12 800 V/8 kV/3   600 V, 20 A   I<sub>N</sub> 24 A (32 A)   600 V, 20 A  </p> <p>Terminal block width 5.2 mm / 0.205 in  10 - 12 mm / 0.43 in.</p> <p>② Approvals</p>	<p>0.25 - 2.5 (4) mm<sup>2</sup> ①   AWG 22 - 12 800 V/8 kV/3   600 V, 20 A   I<sub>N</sub> 24 A (32 A)   600 V, 20 A  </p> <p>Terminal block width 5.2 mm / 0.205 in  10 - 12 mm / 0.43 in.</p> <p>② Approvals</p>	<p>0.25 - 2.5 (4) mm<sup>2</sup> ①   AWG 22 - 12 800 V/8 kV/3   600 V, 20 A   I<sub>N</sub> 24 A (32 A)   600 V, 20 A  </p> <p>Terminal block width 5.2 mm / 0.205 in  10 - 12 mm / 0.43 in.</p> <p>② Approvals</p>
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① Conductor sizes: 0.25 - 4 mm<sup>2</sup> "s + f-st";  
Push-in conductor sizes: 0.75 - 4 mm<sup>2</sup> "s" and  
0.75 - 2.5 mm<sup>2</sup> "insulated ferrule, 12 mm"



Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
<b>2-conductor through terminal block</b>			<b>3-conductor through terminal block</b>			<b>4-conductor through terminal block</b>		
gray	2002-1201	100	gray	2002-1301	100	gray	2002-1401	100
blue	2002-1204	100	blue	2002-1304	100	blue	2002-1404	100
orange	2002-1202	100	orange	2002-1302	100	orange	2002-1402	100
red	2002-1203	100	red	2002-1303	100	red	2002-1403	100
black	2002-1205	100	black	2002-1305	100	black	2002-1405	100
yellow	2002-1206	100	yellow	2002-1306	100	yellow	2002-1406	100
<b>2-conductor ground terminal block</b>			<b>3-conductor ground terminal block</b>			<b>4-conductor ground terminal block</b>		
green-yellow	2002-1207	100	green-yellow	2002-1307	100	green-yellow	2002-1407	100
<b>Other terminal blocks with the same profile:</b>			<b>Other terminal blocks with the same profile:</b>			<b>Other terminal blocks with the same profile:</b>		
Diode	2002-1211/1000-411	Page 42	Diode	2002-1311/1000-411	Page 42	Diode	2002-1411/1000-411	Page 42
			LED	2002-1321/1000-434	Page 42	Diode	2002-1411/1000-434	Page 42
						Double-potential	2002-1441	Volume 1

**Item-Specific Accessories** Separator for Ex e/Ex i applications, see page 30

<p><b>End and intermediate plate, 0.8 mm thick</b></p> <p> orange 2002-1292 100 (4x25)  gray 2002-1291 100 (4x25)</p>	<p><b>End and intermediate plate, 0.8 mm thick</b></p> <p> orange 2002-1392 100 (4x25)  gray 2002-1391 100 (4x25)</p>	<p><b>End and intermediate plate, 0.8 mm thick</b></p> <p> orange 2002-1492 100 (4x25)  gray 2002-1491 100 (4x25)</p>
<p><b>Separator, oversized, 0.8 mm thick</b></p> <p> orange 2002-1294 100 (4x25)  gray 2002-1293 100 (4x25)</p>	<p><b>Separator, oversized, 0.8 mm thick</b></p> <p> orange 2002-1394 100 (4x25)  gray 2002-1393 100 (4x25)</p>	<p><b>Separator, oversized, 0.8 mm thick</b></p> <p> orange 2002-1494 100 (4x25)  gray 2002-1493 100 (4x25)</p>

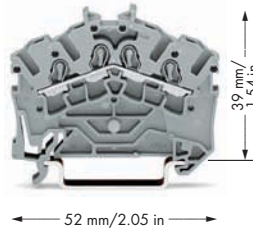
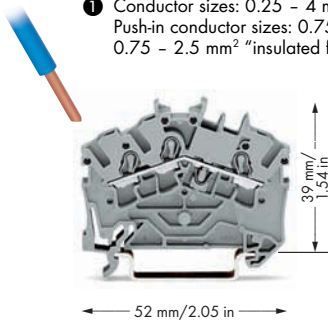
**2002 Series Accessories** Appropriate marking systems: WMB/Marking Strips/WMB Inline/Mini-WSB

<p><b>Push-in type jumper bar, insulated, I<sub>N</sub> 25 A, light gray</b></p> <p> 2-way 2002-402 200 (8x25) 3-way 2002-403 200 (8x25) 4-way 2002-404 200 (8x25) : 10-way 2002-410 100 (4x25)</p>	<p><b>Push-in type jumper bar, insulated, I<sub>N</sub> 25 A, light gray</b></p> <p> 1 - 3 2002-433 200 (8x25) 1 - 4 2002-434 200 (8x25) 1 - 5 2002-435 100 (4x25) : 1 - 10 2002-440 100 (4x25)</p>	<p><b>Staggered jumper, insulated, I<sub>N</sub> 25 A, light gray</b></p> <p> 2-way 2002-472 100 (4x25) 3-way 2002-473 100 (4x25) 4-way 2002-474 100 (4x25) : 12-way 2002-482 50 (2x25)</p>
<p><b>Insulation stop, 5 pcs/strip</b> 200 strips</p> <p> light gray 2002-171 0.25-0.5 mm<sup>2</sup> dark gray 2002-172 0.75-1 mm<sup>2</sup></p>	<p><b>Protective warning marker, with high-voltage symbol, for 5 terminal blocks</b></p> <p> yellow 2002-115 100 (4x25)</p>	<p><b>TOPJOB®S connector, modular, for jumper contact slot</b></p> <p> gray 2002-511 100 (4x25)</p>
<p><b>WMB Multi marking system,</b></p> <p>10 strips with 10 markers per card, stretchable 5 - 5.2 mm plain 793-5501 5</p>	<p> Suitable for Ex i applications  Suitable for Ex e II applications 550 V, 22 A</p>	<p><b>Spacer module</b></p> <p>gray 2002-549 100 (4x25)</p>
<p><b>Marking strip, plain,</b></p> <p>11 mm wide, 50m roll white 2009-110 1</p>		<p><b>Operating tool with partially insulated shaft,</b></p> <p>type 2, (3.5 x 0.5) mm blade 210-720 1</p>
		<p><b>Insulated ferrules, extra long, for TOPJOB®S terminal blocks</b></p> <p> see page 195</p>

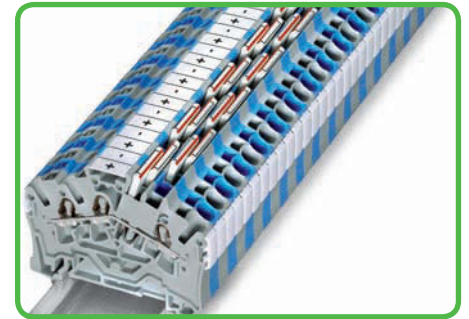
# TOPJOB® Through/Ground and Ex Terminal Blocks 2.5 (4) mm<sup>2</sup>, Angled Type 2002 Series

<p>0.25 - 2.5 (4) mm<sup>2</sup> ① 800 V/8 kV/3 I<sub>N</sub> 24 A (32 A)</p> <p>Terminal block width 5.2 mm / 0.205 in 10 - 12 mm / 0.43 in.</p> <p>② Approvals</p>	<p>AWG 22 - 12 600 V, 20 A ② 600 V, 20 A ③</p>	<p>0.25 - 2.5 (4) mm<sup>2</sup> ① 800 V/8 kV/3 I<sub>N</sub> 24 A (32 A)</p> <p>Terminal block width 5.2 mm / 0.205 in 10 - 12 mm / 0.43 in.</p> <p>② Approvals</p>	<p>AWG 22 - 12 600 V, 20 A ② 600 V, 20 A ③</p>
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① Conductor sizes: 0.25 - 4 mm<sup>2</sup> "s + f-st";  
Push-in conductor sizes: 0.75 - 4 mm<sup>2</sup> "s" and  
0.75 - 2.5 mm<sup>2</sup> "insulated ferrule, 12 mm"



Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
<b>3-conductor through terminal block</b>			<b>4-conductor through terminal block</b>		
gray (Ex)	2002-6301	100	gray (Ex)	2002-6401	100
blue (Ex)	2002-6304	100	blue (Ex)	2002-6404	100
orange (Ex)	2002-6302	100	orange (Ex)	2002-6402	100
Additional colors pending			Additional colors pending		
<b>3-conductor ground terminal block</b>			<b>4-conductor ground terminal block</b>		
green-yellow (Ex)	2002-6307	100	green-yellow (Ex)	2002-6407	100
<b>Notice: These terminal blocks cannot be commoned with push-in type jumper bars!</b>					



Item-Specific Accessories			Item-Specific Accessories		
<b>End and intermediate plate, 0.8 mm thick</b>			<b>End and intermediate plate, 0.8 mm thick</b>		
orange	2002-6392	100 (4x25)	orange	2002-6392	100 (4x25)
gray	2002-6391	100 (4x25)	gray	2002-6391	100 (4x25)

2002 Series Accessories		Appropriate marking systems: WMB/Marker Strips/WMB Inline/Mini-WSB	
<b>Push-in type jumper bar, insulated, I<sub>N</sub> 25 A, light gray</b>			
2-way	2002-402	200 (8x25)	
3-way	2002-403	200 (8x25)	
4-way	2002-404	200 (8x25)	
5-way	2002-405	100 (4x25)	
:	:		
10-way	2002-410	100 (4x25)	
<b>Push-in type jumper bars, light gray, insulated, I<sub>N</sub> 25 A</b>			
1 - 3	2002-433	200 (8x25)	
1 - 4	2002-434	200 (8x25)	
1 - 5	2002-435	100 (4x25)	
:	:		
1 - 10	2002-440	100 (4x25)	
<b>Staggered jumper, insulated, I<sub>N</sub> 25 A, light gray</b>			
2-way	2002-472	100 (4x25)	
3-way	2002-473	100 (4x25)	
4-way	2002-474	100 (4x25)	
5-way	2002-475	50 (2x25)	
:	:		
12-way	2002-482	50 (2x25)	
<b>TOPJOB®S connector, modular, for jumper contact slot</b>			
gray	2002-511	100 (4x25)	
<b>Spacer module</b>			
gray	2002-549	100 (4x25)	
<b>Operating tool with partially insulated shaft, type 2, (3.5 x 0.5) mm blade</b>			
	210-720	1	
		<p>● Suitable for Ex i applications                  (Ex) Suitable for Ex e II applications                  550 V, 22 A</p>	

### 3- and 4-conductor terminal blocks

The TOPJOB®S rail-mounted terminal blocks have a 35-degree conductor entry angle 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.










### Product features:

- CAGE CLAMP®S connection for all conductor types, with the additional benefit of solid and ferruled conductors 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**

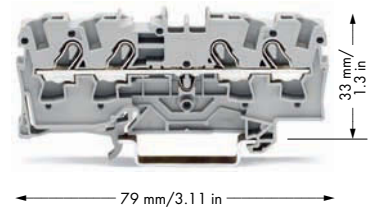
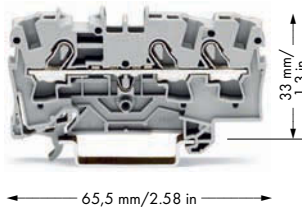
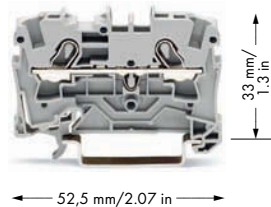
An end plate must be applied when changing from a 3-conductor terminal block to a 4-conductor terminal block and vice versa.








































② Approvals are available online at: [www.wago.com](http://www.wago.com).

For technical explanations and abbreviations, see technical section.

<p>0.5 - 4 (6) mm<sup>2</sup> ① 800 V/8 kV/3 I<sub>N</sub> 32 A (41 A)</p> <p>AWG 20 - 10 600 V, 30 A  600 V, 30 A </p> <p>Terminal block width 6.2 mm / 0.244 in  11 - 13 mm / 0.47 in</p> <p>② Approvals</p>	<p>0.5 - 4 (6) mm<sup>2</sup> ① 800 V/8 kV/3 I<sub>N</sub> 32 A (41 A)</p> <p>AWG 20 - 10 600 V, 30 A  600 V, 30 A </p> <p>Terminal block width 6.2 mm / 0.244 in  11 - 13 mm / 0.47 in</p> <p>② Approvals</p>	<p>0.5 - 4 (6) mm<sup>2</sup> ① 800 V/8 kV/3 I<sub>N</sub> 32 A (41 A)</p> <p>AWG 20 - 10 600 V, 30 A  600 V, 30 A </p> <p>Terminal block width 6.2 mm / 0.244 in  11 - 13 mm / 0.47 in</p> <p>② Approvals</p>
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










① Conductor sizes: 0.5 - 6 mm<sup>2</sup> "s + f.st.";  
Push-in conductor sizes: 1 - 6 mm<sup>2</sup> "s" and  
0.75 - 4 mm<sup>2</sup> "insulated ferrule, 12 mm"



Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
<b>2-conductor through terminal block</b>			<b>3-conductor through terminal block</b>			<b>4-conductor through terminal block</b>		
 gray 	2004-1201	100	 gray 	2004-1301	100	 gray 	2004-1401	100
 blue 	2004-1204	100	 blue 	2004-1304	100	 blue 	2004-1404	100
 orange 	2004-1202	100	 orange 	2004-1302	100	 orange 	2004-1402	100
 red 	2004-1203	100	 red 	2004-1303	100	 red 	2004-1403	100
 black 	2004-1205	100	 black 	2004-1305	100	 black 	2004-1405	100
 yellow 	2004-1206	100	 yellow 	2004-1306	100	 yellow 	2004-1406	100
<b>2-conductor ground terminal block</b>			<b>3-conductor ground terminal block</b>			<b>4-conductor ground terminal block</b>		
 green-yellow 	2004-1207	100	 green-yellow 	2004-1307	100	 green-yellow 	2004-1407	100






Item-Specific Accessories

Separator for Ex e/Ex i applications, see page 30







<p><b>End and intermediate plate, 1 mm thick</b></p> <p> orange 2004-1292 100 (4x25)  gray 2004-1291 100 (4x25)</p>	<p><b>End and intermediate plate, 1 mm thick</b></p> <p> orange 2004-1392 100 (4x25)  gray 2004-1391 100 (4x25)</p>	<p><b>End and intermediate plate, 1 mm thick</b></p> <p> orange 2004-1492 100 (4x25)  gray 2004-1491 100 (4x25)</p>
<p><b>Separator, oversized, 0.8 mm thick</b></p> <p> orange 2004-1294 100 (4x25)  gray 2004-1293 100 (4x25)</p>	<p><b>Separator, oversized, 0.8 mm thick</b></p> <p> orange 2004-1394 100 (4x25)  gray 2004-1393 100 (4x25)</p>	<p><b>Separator, oversized, 0.8 mm thick</b></p> <p> orange 2004-1494 100 (4x25)  gray 2004-1493 100 (4x25)</p>

2004 Series Accessories

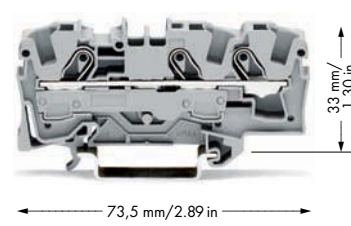
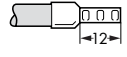
Appropriate marking systems: WMB/Marking strips/Mini-WSB



















<p><b>Push-in type jumper bar, insulated, I<sub>N</sub> 32 A, light gray</b></p> <p> 2-way 2004-402 200 (8x25) 3-way 2004-403 200 (8x25) 4-way 2004-404 100 (4x25) : 10-way 2004-410 100 (4x25)</p>	<p><b>Push-in type jumper bar, insulated, I<sub>N</sub> 32 A, light gray</b></p> <p> 1 - 3 2004-433 200 (8x25) 1 - 4 2004-434 200 (8x25) 1 - 5 2004-435 100 (4x25) : 1 - 10 2004-440 100 (4x25)</p>	<p><b>Star point jumper, insulated,</b> I<sub>N</sub> = I<sub>N</sub> terminal block, light gray 1-3-5 2004-405/011-000 100 (4x25)</p> <p><b>Step-down jumper, insulated,</b> I<sub>N</sub> 32 A light gray 2006-499 50 (2x25)</p>
<p><b>Insulation stop, 5 pcs/strip</b> 200 strips</p> <p> light gray 2004-171 0.25-0.5 mm<sup>2</sup> dark gray 2004-172 0.75-1 mm<sup>2</sup></p>	<p><b>Protective warning marker, with high-voltage symbol,</b> for 5 terminal blocks yellow 2004-115 100 (4x25)</p>	<p><b>TOPJOB®S connector, modular,</b> for jumper contact slot gray 2004-511 100 (4x25)</p> <p><b>Spacer module</b> gray 2004-549 100 (4x25)</p>
<p><b>WMB Multi marking system,</b> 10 strips with 10 markers per card, stretchable 5 - 5.2 mm plain 793-5501 5</p>	<p> Suitable for Ex i applications  Suitable for Ex e II applications 550 V, 30 A</p>	<p><b>Operating tool with partially insulated shaft,</b> type 2, (3.5 x 0.5) mm blade 210-720 1</p>
<p><b>Marking strip, plain,</b> 11 mm wide, 50m roll white 2009-110 1</p>	<p><b>Insulated ferrules, extra long,</b> for TOPJOB®S terminal blocks see page 195</p>	

# TOPJOB® Through/Ground Conductor and Ex Terminal Blocks 6 (10) mm<sup>2</sup> 2006 Series











<b>0.5 - 6 (10) mm<sup>2</sup> ①</b> 800 V/8 kV/3 I <sub>N</sub> 41 A (57 A) Terminal block width 7.5 mm / 0.295 in  13 - 15 mm / 0.55 in <b>② Approvals</b>	AWG 20 - 8 600 V, 50 A  600 V, 50 A 	<b>0.5 - 6 (10) mm<sup>2</sup> ①</b> 800 V/8 kV/3 I <sub>N</sub> 41 A (57 A) Terminal block width 7.5 mm / 0.295 in  13 - 15 mm / 0.55 in <b>② Approvals</b>	AWG 20 - 8 600 V, 50 A  600 V, 50 A 	Separator for Ex e/Ex i applications
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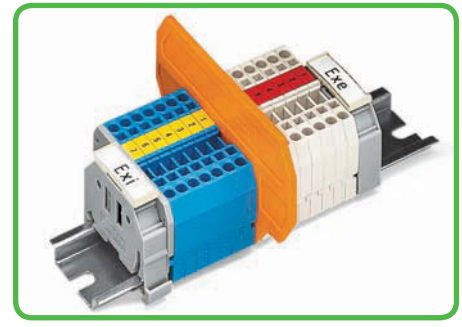
① Conductor sizes: 0.5 - 10 mm<sup>2</sup> "s + f-st";  
 Push-in conductor sizes: 1.5 - 10 mm<sup>2</sup> "s" and  
 1.5 - 6 mm<sup>2</sup> "insulated ferrule, 12 mm"



Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit	Item No.	Pack. Unit
<b>2-conductor through terminal block</b>			<b>3-conductor through terminal block</b>			<b>Separator for Ex e/Ex i applications, 3 mm thick, orange</b>	
 	<b>2006-1201</b>	50	 	<b>2006-1301</b>	25		
 	<b>2006-1204</b>	50	 	<b>2006-1304</b>	25	90 mm wide	<b>209-190</b> 50 (2x25)
 	<b>2006-1202</b>	50	 	<b>2006-1302</b>	25	120 mm wide	<b>209-191</b> 50 (2x25)
<b>2-conductor ground terminal block</b>			<b>3-conductor ground terminal block</b>				
 	<b>2006-1207</b>	50	 	<b>2006-1307</b>	25		
<b>Item-Specific Accessories</b>							
<b>End and intermediate plate, 1 mm thick</b>				<b>End and intermediate plate, 1 mm thick</b>			
	orange	<b>2006-1292</b>	100 (4x25)		orange	<b>2006-1392</b>	100 (4x25)
	gray	<b>2006-1291</b>	100 (4x25)		gray	<b>2006-1391</b>	100 (4x25)

## 2006 Series Accessories Appropriate marking systems: WMB/Marking strips/Mini-WSB

<b>Push-in type jumper bar, insulated, I<sub>N</sub> 41 A, light gray</b>  2-way <b>2006-402</b> 50 (2x25) 3-way <b>2006-403</b> 50 (2x25) 4-way <b>2006-404</b> 50 (2x25) 5-way <b>2006-405</b> 50 (2x25)	<b>Push-in type jumper bar, insulated, I<sub>N</sub> 41 A, light gray</b>  1 - 3 <b>2006-433</b> 50 (2x25) 1 - 4 <b>2006-434</b> 50 (2x25) 1 - 5 <b>2006-435</b> 50 (2x25)
<b>Star point jumper, insulated, I<sub>N</sub> = I<sub>N</sub> terminal block, light gray</b>  1-3-5 <b>2004-405/011-000</b> 100 (4x25)	<b>Step-down jumper, insulated, I<sub>N</sub> 32 A, light gray</b>  <b>2006-499</b> 50 (2x25)
<b>Protective warning marker, with high-voltage symbol, for 5 terminal blocks, yellow</b>  <b>2006-115</b> 100 (4x25)	<b>Operating tool with partially insulated shaft, type 3, (5.5 x 0.8) mm blade</b>  <b>210-721</b> 1
<b>Test plug adapter, for test plug 4 mm Ø, gray</b>  <b>2009-174</b> 100 (4x25) <b>Testing tap, for max. 2.5 mm<sup>2</sup>/AWG 14, gray</b> <b>2009-182</b> 100 (4x25)	<b>Banana plugs, only for safety extra-low voltage (42 V)</b>  black <b>215-311</b> 50 red <b>215-212</b> 50 blue <b>215-711</b> 50
<b>Marking strips, plain, 11 mm wide, 50m roll, white</b>  <b>2009-110</b> 1	<b>WMB Multi marking system, 10 strips with 10 markers per card, stretchable 5 - 5.2 mm, plain</b>  <b>793-5501</b> 50 (10x5)
<b>Insulated ferrules, extra long, for TOPJOB®S terminal blocks, see page 195</b> 	● Suitable for Ex i applications ☒ Suitable for Ex e II applications 550 V, 38 A (2-conductor terminal blocks) 550 V, 36 A (3-conductor terminal blocks)



**Separator for Ex e/Ex i applications**  
 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.







Suitable for Series: 279 to 282, 2001, 2002 and 2004.  
 209-190 for 2-conductor terminal blocks.  
 209-191 for 2-, 3-, 4-conductor terminal blocks.

② Approvals are available online at: [www.wago.com](http://www.wago.com).

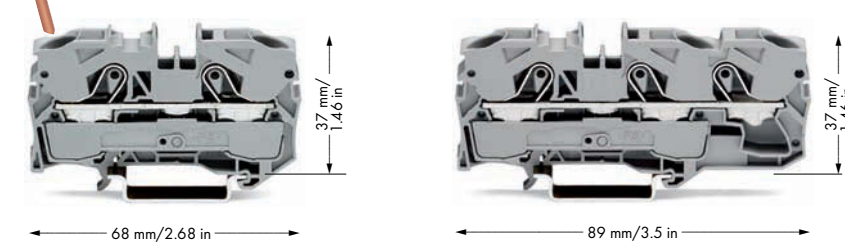
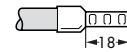
For technical explanations and abbreviations, see technical section.



















# TOPJOB® Through/Ground Conductor and Ex Terminal Blocks 10 mm<sup>2</sup> 2010 Series

CAGE CLAMP® S

<b>0.5 - 10 (16) mm<sup>2</sup> ①</b> 800 V/8 kV/3 I <sub>N</sub> 57 A (76 A) Terminal block width 10 mm / 0.394 in  17 - 19 mm / 0.71 in <b>② Approvals</b>	<b>AWG 20 - 6</b> 600 V, 65 A  600 V, 65 A 	<b>0.5 - 10 (16) mm<sup>2</sup> ①</b> 800 V/8 kV/3 I <sub>N</sub> 57 A (76 A) Terminal block width 10 mm / 0.394 in  17 - 19 mm / 0.71 in <b>② Approvals</b>	<b>AWG 20 - 6</b> 600 V, 65 A  600 V, 65 A 	<b>Step-down jumper</b>
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① Conductor sizes: 0.5 - 16 mm<sup>2</sup> "s + f-st";  
 Push-in conductor sizes: 2.5 - 16 mm<sup>2</sup> "s" and  
 2.5 - 10 mm<sup>2</sup> "insulated ferrule, 18 mm"



Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit	Item No.	Pack. Unit
<b>2-conductor through terminal block</b>			<b>3-conductor through terminal block</b>			<b>Step-down jumper, light gray, insulated,</b>	
 gray 	<b>2010-1201</b>	25	 gray 	<b>2010-1301</b>	25	I <sub>N</sub> 32 A,	
 blue 	<b>2010-1204</b>	25	 blue 	<b>2010-1304</b>	25	commons 6/4mm <sup>2</sup> (AWG 10/12) t. blocks with	
 orange 	<b>2010-1202</b>	25	 orange 	<b>2010-1302</b>	25	4/2.5/1.5mm <sup>2</sup> (AWG 12/14/16) blocks.	<b>2006-499</b> 50 (2x25)
<b>2-conductor ground terminal block</b>			<b>3-conductor ground terminal block</b>			<b>Step-down jumper, light gray, insulated,</b>	
 green-yellow 	<b>2010-1207</b>	25	 green-yellow 	<b>2010-1307</b>	25	I <sub>N</sub> 32 A,	
<b>Item-Specific Accessories</b>						commons 16/10 mm <sup>2</sup> (AWG 16/8) t. blocks with	
<b>End and intermediate plate, 1 mm thick</b>			<b>End and intermediate plate, 1 mm thick</b>			10/6/4/2.5 mm <sup>2</sup> (AWG 8/10/12/14) blocks.	
	orange <b>2010-1292</b> 100 (4x25)			orange <b>2010-1392</b> 100 (4x25)		<b>2016-499</b>	50 (2x25)
	gray <b>2010-1291</b> 100 (4x25)			gray <b>2010-1391</b> 100 (4x25)			
<b>2010 Series Accessories</b>			Appropriate marking systems: <b>WMB/Marking strips/Mini-WSB</b>				

<b>Push-in type jumper bar, insulated, I<sub>N</sub> 57 A, light gray</b> 2-way <b>2010-402</b> 50 (2x25) 3-way <b>2010-403</b> 50 (2x25) 4-way <b>2010-404</b> 50 (2x25) 5-way <b>2010-405</b> 50 (2x25)	<b>Push-in type jumper bar, insulated, I<sub>N</sub> 57 A, light gray</b> 1 - 3 <b>2010-433</b> 50 (2x25) 1 - 4 <b>2010-434</b> 50 (2x25) 1 - 5 <b>2010-435</b> 50 (2x25)
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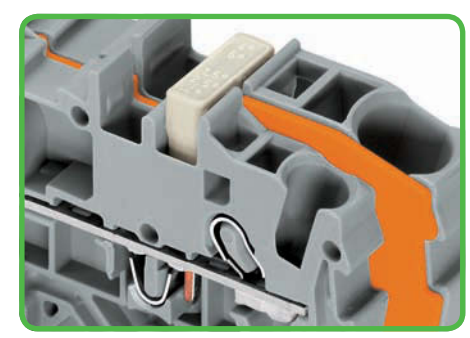
<b>Step-down jumper, insulated,</b> I <sub>N</sub> 32 A light gray <b>2006-499</b> 50 (2x25)	<b>Finger guard,</b> touchproof cover protects unused conductor entries yellow <b>2010-100</b> 100 (4x25)
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<b>Protective warning marker, with high-voltage symbol,</b> for 5 terminal blocks yellow <b>2010-115</b> 50 (2x25)	<b>Operating tool with partially insulated shaft,</b> type 3, (5.5 x 0.8) mm blade <b>210-721</b> 1
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<b>Test plug adapter, for test plug 4 mm Ø</b> gray <b>2009-174</b> 100 (4x25) <b>Testing tap, for max. 2.5 mm<sup>2</sup>/AWG 14</b> gray <b>2009-182</b> 100 (4x25)	<b>Banana plugs, only for safety extra-low voltage (42 V)</b> black <b>215-311</b> 50 red <b>215-212</b> 50 blue <b>215-711</b> 50
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<b>Marking strips, plain,</b> 11 mm wide, 50m roll white <b>2009-110</b> 1	<b>WMB Multi marking system,</b> 10 strips with 10 markers per card, stretchable 5 - 5.2 mm plain <b>793-5501</b> 50 (10x5)
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<b>Insulated ferrules, extra long,</b> for TOPJOB®S terminal blocks see page 195	● Suitable for Ex i applications ☒ Suitable for Ex e II applications 550 V, 51 A (2-conductor terminal blocks) 550 V, 50 A (3-conductor terminal blocks)
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An end plate must be applied to the open side of the larger terminal block.

Further terminal blocks of the smaller cross section may be commoned using push-in type jumper bars.

Note:  
**The total current flowing shall not exceed the rating of the step-down jumper.**

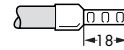
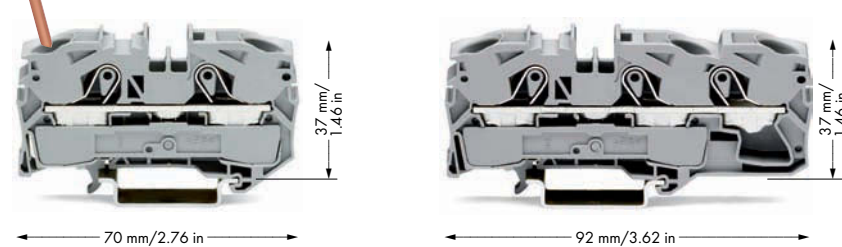
Reduction of cross section	Push-in type jumper bar	Step-down jumper
16 to 10 mm <sup>2</sup>	X	
16 to 6 mm <sup>2</sup>	X	
16 to 4 mm <sup>2</sup>		X
16 to 2.5 mm <sup>2</sup>		X
10 to 6 mm <sup>2</sup>	X	
10 to 4 mm <sup>2</sup>	X	
10 to 2.5 mm <sup>2</sup>		X
6 to 4 mm <sup>2</sup>	X	
6 to 2.5 mm <sup>2</sup>	X	



# TOPJOB® Through/Ground Conductor and Ex Terminal Blocks 16 (25 "f-st") mm<sup>2</sup> 2016 Series

<p>0.5 - 16 (25 "f-st") mm<sup>2</sup> ① AWG 20 - 4 800 V/8 kV/3 600 V, 85 A ② I<sub>N</sub> 76 A (90 A) 600 V, 85 A ③</p> <p>Terminal block width 12 mm / 0.472 in 18 - 20 mm / 0.75 in</p> <p>② Approvals</p>	<p>0.5 - 16 (25 "f-st") mm<sup>2</sup> ① AWG 20 - 4 800 V/8 kV/3 600 V, 85 A ② I<sub>N</sub> 76 A (90 A) 600 V, 85 A ③</p> <p>Terminal block width 12 mm / 0.472 in 18 - 20 mm / 0.75 in</p> <p>② Approvals</p>	<p>Step-down jumper</p>
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① Conductor sizes: 0.5 - 16 mm<sup>2</sup> "s + f-st";  
Push-in conductor sizes: 2.5 - 16 mm<sup>2</sup> "s" and  
2.5 - 16 mm<sup>2</sup> "insulated ferrule, 18 mm"



Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit	Item No.	Pack. Unit
<b>2-conductor through terminal block</b>			<b>3-conductor through terminal block</b>			<b>Step-down jumper, insulated, I<sub>N</sub> 32 A,</b>	
gray ③	2016-1201	20	gray ③	2016-1301	20	light gray,	
blue ③	2016-1204	20	blue ③	2016-1304	20	commons 6/4mm <sup>2</sup> (AWG 10/12) t. blocks with	
orange ③	2016-1202	20	orange ③	2016-1302	20	4/2.5/1.5mm <sup>2</sup> (AWG 12/14/16) blocks.	
						<b>2006-499</b>	50 (2x25)
<b>2-conductor ground terminal block</b>			<b>3-conductor ground terminal block</b>			<b>Step-down jumper, insulated, I<sub>N</sub> 57 A,</b>	
green-yellow ③	2016-1207	20	green-yellow ③	2016-1307	20	commons 16/10 mm <sup>2</sup> (AWG 16/8) t. blocks with	
						10/6/4/2.5 mm <sup>2</sup> (AWG 8/10/12/14) blocks.	
						<b>2016-499</b>	50 (2x25)
<b>Item-Specific Accessories</b>							
<b>End and intermediate plate, 1 mm thick</b>				<b>End and intermediate plate, 1 mm thick</b>			
		orange 2016-1292 100 (4x25)			orange 2016-1392 100 (4x25)		
		gray 2016-1291 100 (4x25)			gray 2016-1391 100 (4x25)		
<b>2016 Series Accessories</b>							
Appropriate marking systems: <b>WMB/Marking strips/Mini-WSB</b>							
<b>Push-in type jumper bar, insulated, I<sub>N</sub> 76 A, light gray</b>				<b>Push-in type jumper bar, insulated, I<sub>N</sub> 76 A, light gray</b>			
		2-way 2016-402 50 (2x25)			1 - 3 2016-433 50 (2x25)		
		3-way 2016-403 50 (2x25)			1 - 4 2016-434 50 (2x25)		
		4-way 2016-404 50 (2x25)			1 - 5 2016-435 50 (2x25)		
		5-way 2016-405 50 (2x25)					
<b>Star point jumper, insulated,</b>				<b>Finger guard,</b>			
		I <sub>N</sub> = I <sub>N</sub> terminal block, light gray 1-3-5 2016-405/011-000 50 (2x25)			touchproof cover protects unused conductor entries yellow 2016-100 100 (4x25)		
<b>Protective warning marker, with high-voltage symbol,</b>				<b>Operating tool with partially insulated shaft,</b>			
		for 5 terminal blocks yellow 2016-115 50 (2x25)			type 3, (5.5 x 0.8) mm blade 210-721 1		
<b>Test plug adapter, for test plug 4 mm Ø</b>				<b>Banana plugs, only for safety extra-low voltage (42 V)</b>			
		gray 2009-174 100 (4x25)			black 215-311 50		
		Testing tap, for max. 2.5 mm <sup>2</sup> /AWG 14 gray 2009-182 100 (4x25)			red 215-212 50		
					blue 215-711 50		
<b>Marking strips, plain,</b>				<b>WMB Multi marking system,</b>			
		11 mm wide, 50m roll white 2009-110 1			10 strips with 10 markers per card, stretchable 5 - 5.2 mm plain 793-5501 50 (10x5)		
<b>Insulated ferrules, extra long,</b>				<p>● Suitable for Ex i applications</p> <p>③ Suitable for Ex e II applications</p> <p>550 V, 70 A (2-conductor terminal blocks)</p> <p>550 V, 67 A (3-conductor terminal blocks)</p>			
		for TOPJOB®S terminal blocks see page 195					



An end plate must be applied to the open side of the larger terminal block.

Further terminal blocks of the smaller cross section may be commoned using push-in type jumper bars.

Note:  
**The total current flowing shall not exceed the rating of the step-down jumper.**

Reduction of cross section	Push-in type jumper bar	Step-down jumper
16 to 10 mm <sup>2</sup>	X	
16 to 6 mm <sup>2</sup>	X	
16 to 4 mm <sup>2</sup>		X
16 to 2.5 mm <sup>2</sup>		X
10 to 6 mm <sup>2</sup>	X	
10 to 4 mm <sup>2</sup>	X	
10 to 2.5 mm <sup>2</sup>		X
6 to 4 mm <sup>2</sup>	X	
6 to 2.5 mm <sup>2</sup>	X	

② Approvals are available online at: [www.wago.com](http://www.wago.com).  
Please find terminal blocks for larger wire sizes on page 59.

For technical explanations and abbreviations, see technical section.