

1 CAGE CLAMP® S Rail-Mounted Terminal Blocks 2000 to 2016 Series

50

Simply push-in



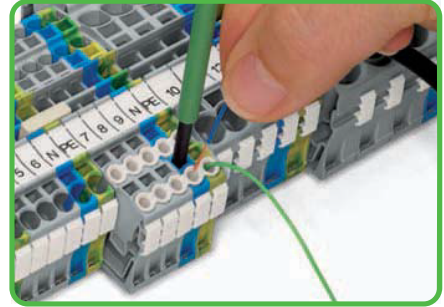
Directly insert solid and ferruled conductors.

Conductor termination



Terminating fine-stranded conductors using an operating tool.

Insulation stop



Conductor termination - Insulation stop.

Simply jumpered



Insert push-in type jumper bar and push down firmly until it hits the backstop.

Customizable push-in type jumper bars



Breaking off jumper contacts (up to 4 mm²/AWG 12)

Customizable push-in type jumper bars

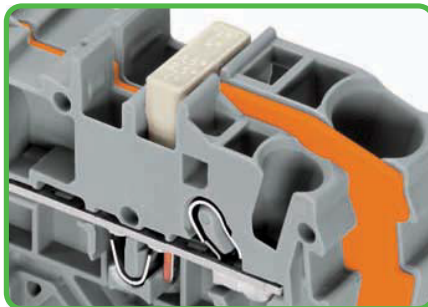


Marking with a felt-tip pen.

CAGE CLAMP®S for all conductor types

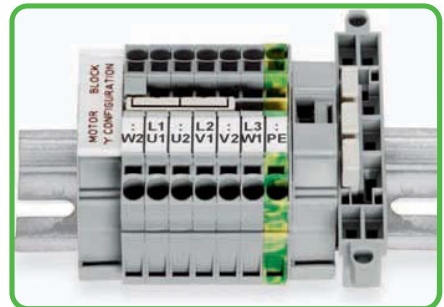


Commoning with step-down jumpers



Commoning with step-down jumpers.

Star point jumpers



Star point jumpers designed for 'Y' configuration



CAGE CLAMP®S clamps the following copper conductors:*

solid



stranded



fine-stranded, also with tinned single strands

* For aluminum conductors, see notes in Section 14.

- Description and Handling -

Simply smaller



Up to 30% more compact. Advantage: More wiring space or smaller switch cabinets/junction boxes.

TOPJOB®S connectors



The 2001, 2002 and 2004 Series terminal blocks are equipped with a test socket for 2 mm Ø or 2.3 mm Ø test plugs.

Testing tap



Testing tap suited for 2001 to 2016 Series terminal blocks. Tool-free connections for individual test wires up to 2.5 mm²/AWG 12.



Test plug adapter



The test plug adapter for 4 mm Ø plugs is suited for 2001 to 2016 Series terminal blocks.

Simply marked



Marker strips for center marking

Wire jumpers



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

Marking



WMB InLine
WMB markers on roll

Marking



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



fine-stranded,
tip-bonded



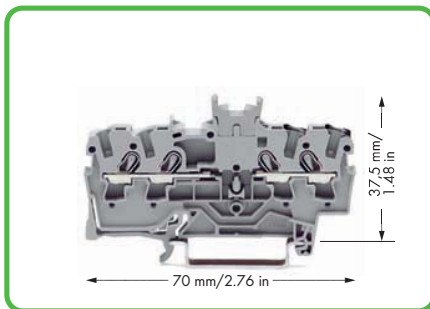
fine-stranded,
with ferrule,
(gaslight crimped)



fine-stranded,
with pin terminal
(gaslight crimped)

Double-Potential Terminal Blocks 1.5 (2.5) mm² 2001 Series

- ① Conductor sizes: 0.25 mm² - 2.5 mm² "s + f-st";
Push-in conductor sizes: 0.5 mm² - 2.5 mm² "s"
and 0.75 mm² - 1.5 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, 17 A
Jumper 16 A
(also see Section 14)
- ⑥ See application notes for:
Ex e/Ex i separator plate, page 52
Step-down jumper, page 67
Star point jumper, page 140
Delta jumper, page 140
Push-in type wire jumper, page 140
Banana plug, page 198
TOPJOB®S connector, page 134



Double-potential terminal block with double marker slot centered on terminal block
gray 2001-1441
Packing unit: 100 pcs


















Notice: This double-potential terminal block cannot be commoned with push-in type jumper bars!

Double-potential terminal blocks are space savers. Two independent feedthrough circuits are placed in one insulated housing on one level in just 4.2 mm/0.165 in. This achieves a width of just 2.1 mm/0.083 in versus standard through terminal blocks. Input and output contacts of one circuit are placed on the same side of the terminal block. Both circuits can be individually marked according to input and output.

For technical data and accessories, see www.wagocatalog.com

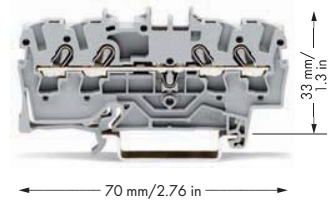
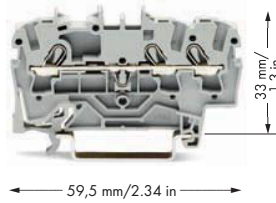
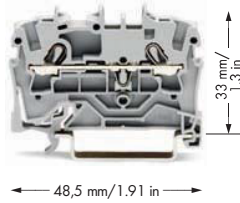
2001 Series Accessories

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

Delta jumper, insulated,  ⑥ I _N = I _N terminal block, light gray 1-2 3-4 5-6 2001-406/020-000 100 (4x25)	WMB Inline, plain,  stretchable 4 - 4.2 mm, 2,000 WMB markers, 4 mm, on roll white 2009-114 1
Star point jumper, insulated,  ⑥ I _N = I _N terminal block, light gray 1-3-5 2001-405/011-000 100 (4x25)	WMB Multi marking system,  10 strips with 10 markers per card, stretchable 4 - 4.2 mm plain 793-4501 5
Push-in type wire jumper,  ⑥ insulated, I _N 16 A, wire size 1.5 mm ² L = 60 mm 2009-412 100 (10x10) L = 110 mm 2009-414 100 (10x10) L = 250 mm 2009-416 100 (10x10)	WMB Multi marking system, plain,  10 strips with 10 markers per card, stretchable 4 - 4.2 mm yellow 793-4501/000-002 red 793-4501/000-005 blue 793-4501/000-006 gray 793-4501/000-007 orange 793-4501/000-012 light green 793-4501/000-017 green 793-4501/000-023 violet 793-4501/000-024 5
Modular TOPJOB®S connector,  ⑥ can be snapped together, for jumper contact slot gray 2001-511 100 (4x25)	
Spacer module, can be snapped together,  e.g., for bridging commoned terminal blocks gray 2001-549 100 (4x25)	Marking strip, plain,  11 mm wide, 50 m roll white 2009-110 1
End plate,  for modular TOPJOB®S connectors, 1.5 mm thick gray 2002-541 100 (4x25)	Screwless end stop,  for DIN 35 rail, 6 mm wide gray 249-116 100 (4x25)
Test plug adapter,  for test plug 4 mm Ø gray 2009-174 100 (4x25)	Screwless end stop,  for DIN 35 rail, 10 mm wide gray 249-117 50 (2x25)
Banana plug,  ⑥ for socket 4 mm Ø, color mixed 215-111 50	
Testing tap,  for max. 2.5 mm ² gray 2009-182 100 (4x25)	
Test plug,  with 500 mm cable, 2 mm Ø red 210-136 50	
Test plug,  with 500 mm cable, 2.3 mm Ø yellow 210-137 50	

**Through/Ground Conductor/Shield and Ex Terminal Blocks 2.5 (4) mm²
2002 Series**

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



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 120	Diode 2002-1311/1000-411	Page 120	Diode 2002-1411/1000-411	Page 120
		LED 2002-1321/1000-434	Page 120	LED 2002-1421/1000-434	Page 120
				Double-potential 2002-1441	Page 59
Item-Specific Accessories		Item-Specific Accessories		Item-Specific Accessories	
End and intermediate plate, 0.8 mm thick		End and intermediate plate, 0.8 mm thick		End and intermediate plate, 0.8 mm thick	
orange 2002-1292	100 (4x25)	orange 2002-1392	100 (4x25)	orange 2002-1492	100 (4x25)
gray 2002-1291	100 (4x25)	gray 2002-1391	100 (4x25)	gray 2002-1491	100 (4x25)
Separator, oversized, 2 mm thick		Separator, oversized, 2 mm thick		Separator, oversized, 2 mm thick	
orange 2002-1294	100 (4x25)	orange 2002-1394	100 (4x25)	orange 2002-1494	100 (4x25)
gray 2002-1293	100 (4x25)	gray 2002-1393	100 (4x25)	gray 2002-1493	100 (4x25)
Ex e/Ex i separator, orange, 3 mm thick		Ex e/Ex i separator, orange, 3 mm thick		Ex e/Ex i separator, orange, 3 mm thick	
90 mm 209-190	50 (2x25)	120 mm 209-191	50 (2x25)	120 mm 209-191	50 (2x25)

2002 Series Accessories

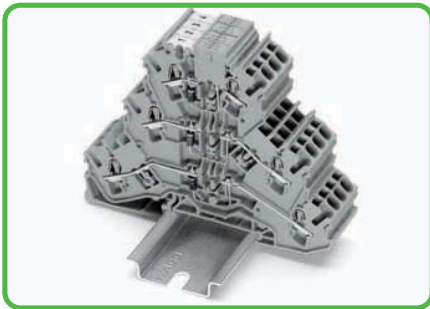
Appropriate marking systems: WMB/Marking strips/WMB Inline
(see Section 13)

Insulation stop,	Push-in type jumper bar, insulated,	Push-in type jumper bar, insulated,
5 pcs/strip, 0.25 - 0.5 mm ² light gray 2002-171	I _N 25 A, light gray 2-way 2002-402	I _N 25 A, light gray from 1 to 3 2002-433
200 (8x25)	200 (8x25)	200 (8x25)
5 pcs/strip, 0.75 - 1 mm ² dark gray 2002-172	3-way 2002-403	from 1 to 4 2002-434
200 (8x25)	200 (8x25)	200 (8x25)
Protective warning marker, with high-voltage symbol, black, for 5 terminal blocks yellow 2002-115	4-way 2002-404	from 1 to 5 2002-435
	100 (4x25)	100 (4x25)
	5-way 2002-405	from 1 to 6 2002-436
	100 (4x25)	100 (4x25)
	6-way 2002-406	from 1 to 7 2002-437
	100 (4x25)	100 (4x25)
	7-way 2002-407	from 1 to 8 2002-438
100 (4x25)	100 (4x25)	
	8-way 2002-408	from 1 to 9 2002-439
	100 (4x25)	100 (4x25)
	9-way 2002-409	from 1 to 10 2002-440
	100 (4x25)	100 (4x25)
	10-way 2002-410	
	100 (4x25)	

For list of approvals and user guide, see pages 634 to 637.

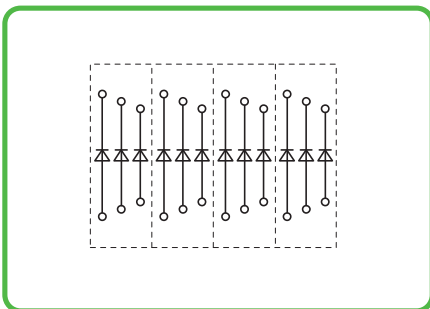
Circuit Configuration Example

Triple-Deck Diode Terminal Blocks

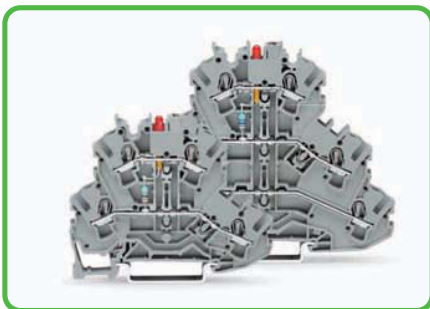


Triple-deck diode terminal blocks have been specially developed for custom diode circuits, such as lamp test and collective fault signal circuits. Using LED terminal blocks, monitoring units can be designed, e.g., for control and operating circuits. The terminal blocks provide high-density wiring, while maintaining a width of only 5.2 mm/0.205 in. Push-in type jumper bars provide additional options for custom circuit design.

- ❶ 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 ferrules, 12 mm"
- ❷ Strip length, see packaging or instructions.




Open diode gates can be created, which can be connected individually using the following terminal blocks:
2002-3212/1000-763 or 2002-3212/1000-674
 Using push-in type jumper bars, individual levels can be turned into polarized diode gates.



Double-deck and triple-deck LED terminal blocks

2002 Series Accessories

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

End and intermediate plate, 0.8 mm thick  orange 2002-3292 100 (4x25) gray 2002-3291 100 (4x25)	End plate, for modular TOPJOB®S connectors, 1.5 mm thick gray 2002-541 100 (4x25)
Triple-deck marker carrier, pivoting gray 2002-131 50 (2x25)	Test plug, with 500 mm cable, 2 mm Ø red 210-136 50
Insulation stop, 5 pcs/strip, 0.25 - 0.5 mm ² light gray 2002-171 200 (8x25)	Test plug adapter, for test plug 4 mm Ø gray 2009-174 100 (4x25)
Insulation stop, 5 pcs/strip, 0.75 - 1 mm ² dark gray 2002-172 200 (8x25)	Testing tap, for max. 2.5 mm ² gray 2009-182 100 (4x25)
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)	Banana plug, for socket 4 mm Ø, color mixed 215-111 50
	WMB Multi marking system, 10 strips with 10 markers per card, stretchable 5 - 5.2 mm plain 793-5501 5
	WMB Inline, plain, stretchable 5 - 5.2 mm, 1,500 WMB markers, 5 mm, on roll white 2009-115 1
Push-in type jumper bar, insulated, I _N 25 A, light gray from 1 to 3 2002-433 200 (8x25) from 1 to 4 2002-434 200 (8x25) from 1 to 5 2002-435 100 (4x25) from 1 to 6 2002-436 100 (4x25) from 1 to 7 2002-437 100 (4x25) from 1 to 8 2002-438 100 (4x25) from 1 to 9 2002-439 100 (4x25) from 1 to 10 2002-440 100 (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)
	Screwless end stop, for DIN 35 rail, 6 mm wide gray 249-116 100 (4x25)
Modular TOPJOB®S connector, can be snapped together, for jumper contact slot gray 2002-511 100 (4x25)	Screwless end stop, for DIN 35 rail, 10 mm wide gray 249-117 50 (2x25)
Spacer module, can be snapped together, e.g., for bridging commoned terminal blocks gray 2002-549 100 (4x25)	