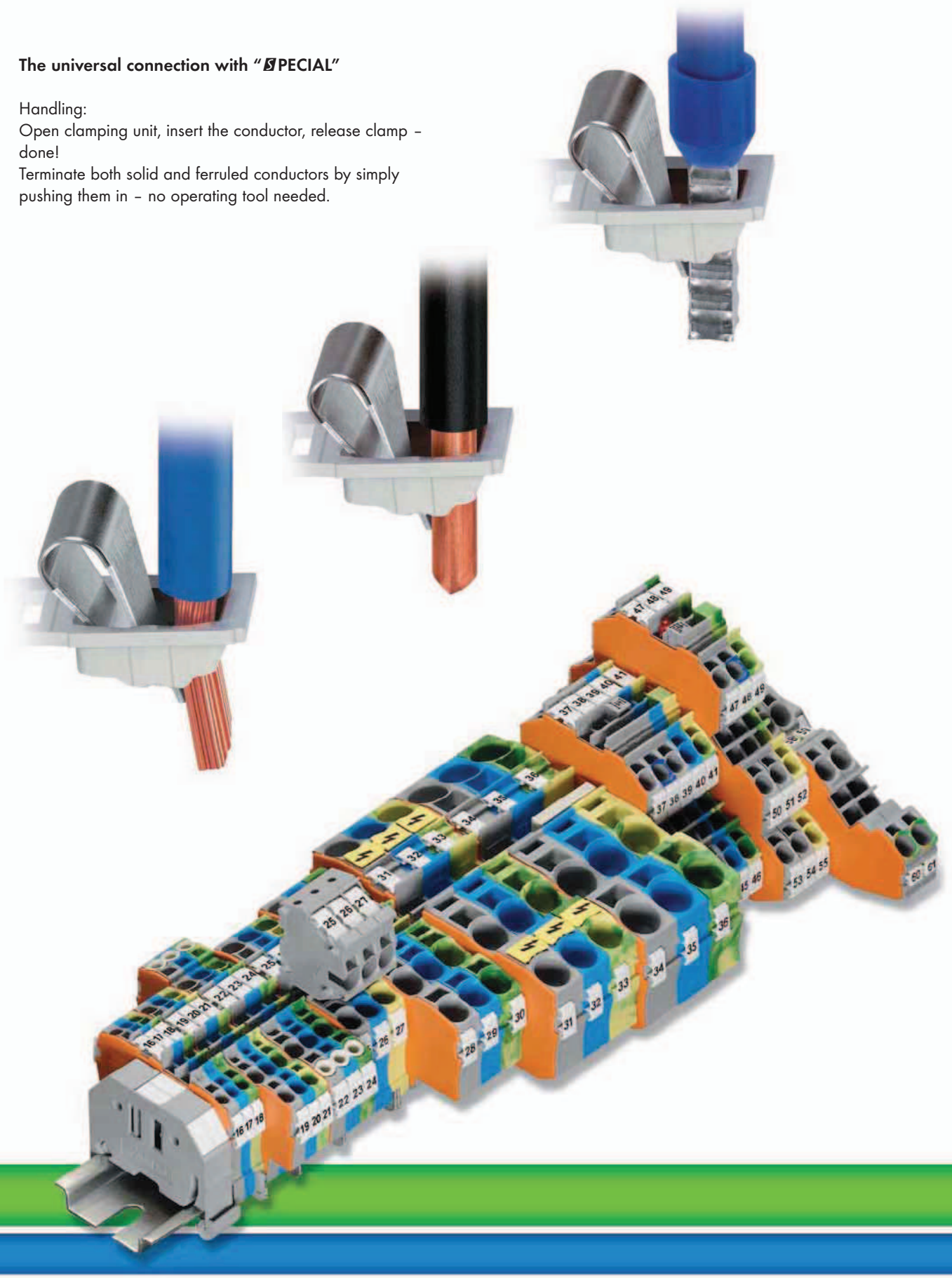
CAGE CLAMP®S

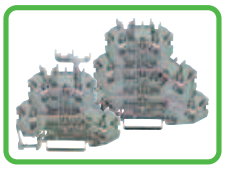
The universal connection with "SPECIAL"

Handling:
Open clamping unit, insert the conductor, release clamp – done!
Terminate both solid and ferruled conductors by simply pushing them in – no operating tool needed.





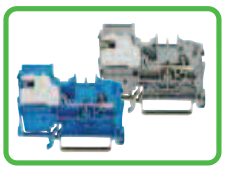
Through Terminal Blocks, ground conductor and Ex Terminal Blocks		
Horizontal Type		
0.14 mm² to 16 mm² (AWG 24 - 6)	2000 - 2016 Series	54 – 66
Angled Type		
0.25 mm² to 2.5 (4) mm² (AWG 22 - 12)	2002 Series	60 – 61



Multilevel Rail-Mounted Terminal Blocks		
4-Conductor, Double-Deck Terminal Blocks		
2.5 (4) mm² (AWG 12)	2002 Series	76
Double-Deck Terminal Blocks		
1 (1.5) mm² (AWG 16)/2.5 (4) mm² (AWG 12)	2000/2002 Series	68 – 73
Triple-Deck Terminal Blocks 2.5 (4) mm² (AWG 12)	2002 Series	78
Quadruple-Deck Terminal Blocks 2.5 (4) mm² (AWG 12)	2002 Series	80



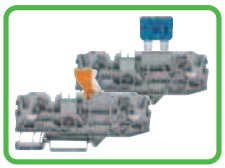
Multilevel Installation Terminal Blocks		
0.25 mm² to 2.5 (4) mm² (AWG 22 - 12)	2003 Series	84
0.5 mm² to 4 (6) mm² (AWG 20 - 10)	2005 Series	86
Supply Terminal Block for Distribution Boxes		
0.5 mm² to 16 (25 “f-st”) mm² (AWG 20 - 4)	2016 Series	90



N-Conductor Disconnect Terminal Blocks and Power Distribution Disconnect Terminal Blocks		
0.25 mm² to 2.5 (4) mm² (AWG 22 - 12)	2002 Series	88
0.5 mm² to 6 (10) mm² (AWG 20 - 8)	2006 Series	88
0.5 mm² to 16 (25 “f-st”) mm² (AWG 20 - 4)	2016 Series	88



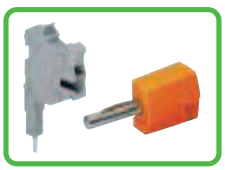
Disconnect, Measurement and Fuse Terminal Blocks, and Through Terminal Blocks of Same Profile		
0.25 mm² to 2.5 (4) mm² (AWG 22 - 12)	2002 Series	94 – 105
Fuse Disconnect Terminal Blocks		
0.25 mm² bis 2.5 (4) mm² (AWG 22 - 12)	2002 Series	100 – 106



Disconnect, Ground Conductor Disconnect Terminal Blocks and Fuse Terminal Blocks	2006 Series	108 – 113
Fuse Plugs, Carrier Terminal Blocks	2004/2002/2006 Series	114 – 117



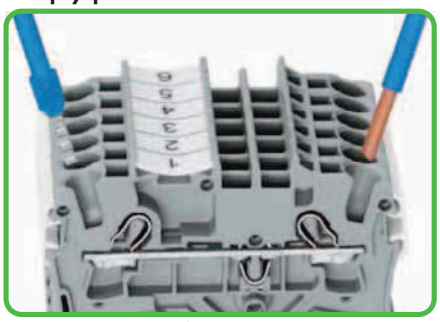
Diode and LED Terminal Blocks		
Single-Deck Terminal Blocks		
1.5 (2.5)/2.5 (4)/4 (6) mm² (AWG 14/12/8)	2001/2002/2004 Series	118 – 123
Double-Deck Terminal Blocks 2.5 (4) mm² / AWG 12	2002 Series	124
Triple-Deck Terminal Blocks 2.5 (4) mm² / AWG 12	2002 Series	126
Diode and LED Modules and Empty Component Plug Housings	2002 Series	128 – 132



Accessories for TOPJOB®S Rail-Mounted Terminal Blocks		
– Banana Plugs		198
– Marking Accessories		144 – 145
– Push-In Type Wire, Staggered and Star Point Jumpers		139 – 141
– Step-Down Jumpers for Through Terminal Blocks		67
– Connectors and Connector Strips	2001 - 2016 Series	134 – 137

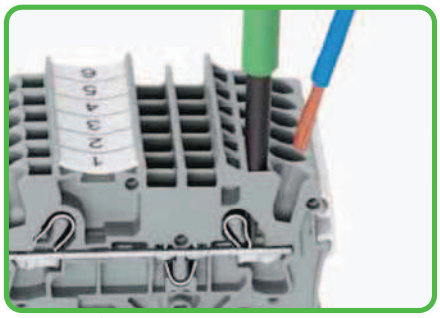
CAGE CLAMP®S Rail-Mounted Terminal Blocks 2000 to 2016 Series

Simply push-in



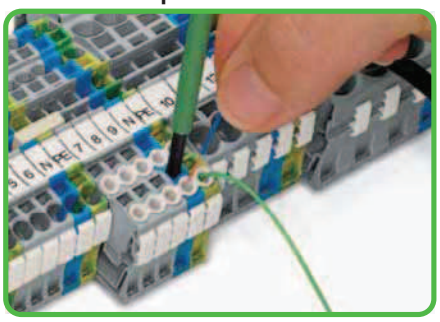
Directly insert solid and ferruled conductors.

Conductor termination



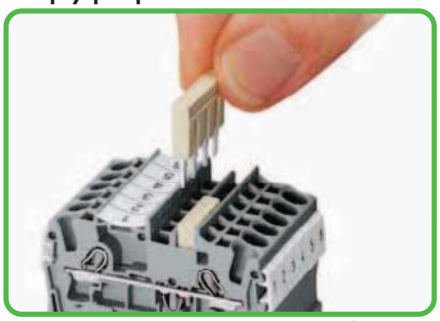
Terminating fine-stranded conductors using an operating tool.

Insulation stop



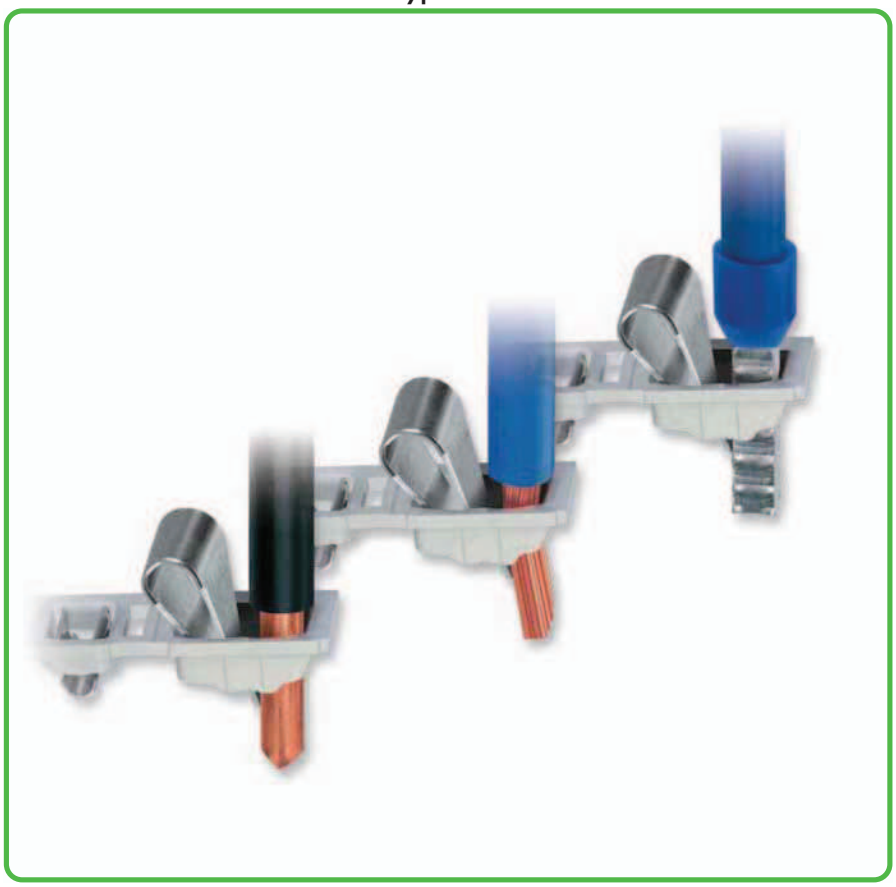
Conductor termination – Insulation stop.

Simply jumpered



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

CAGE CLAMP®S for all conductor types



Customizable push-in type jumper bars



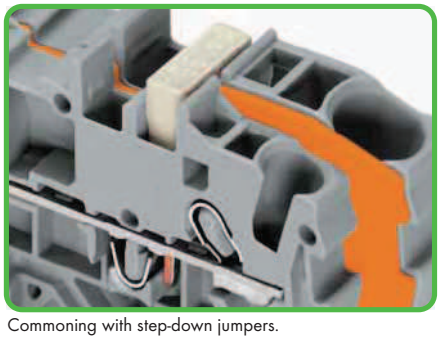
Breaking off jumper contacts (up to 4 mm²/AWG 12)

Customizable push-in type jumper bars



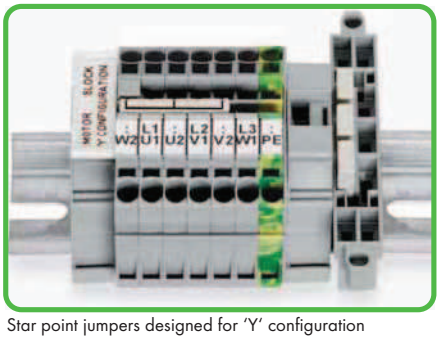
Marking with a felt-tip pen.

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.

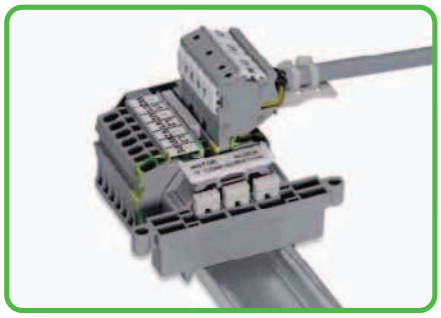
– Description and Handling –

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

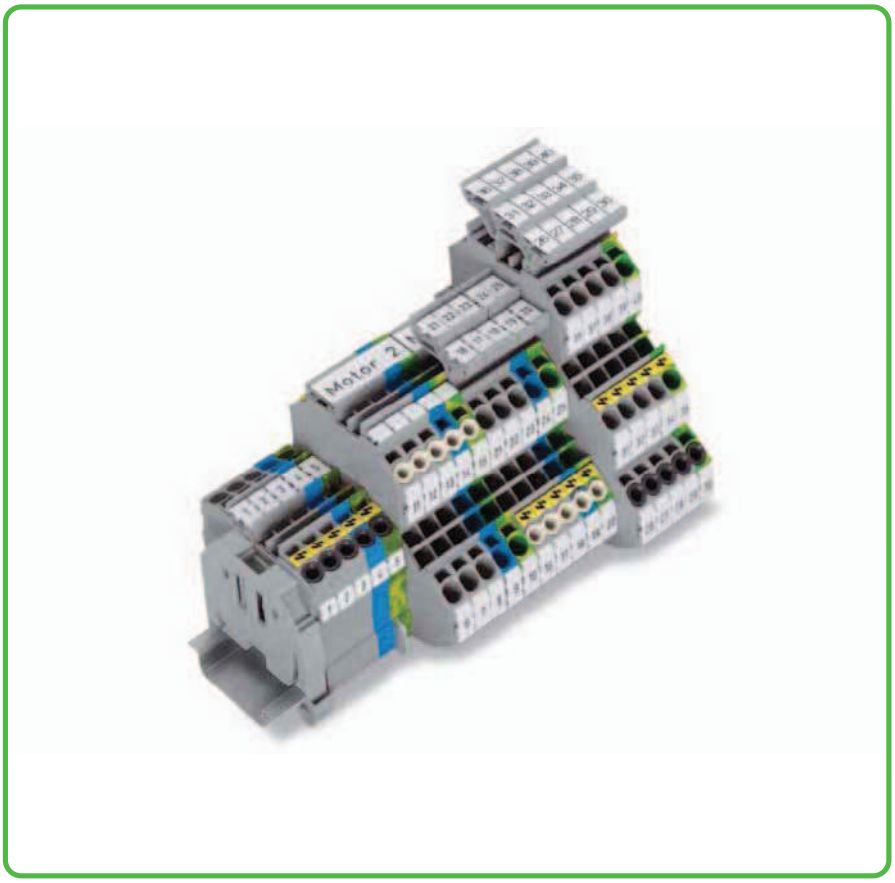


Testing tap suited for 2001 to 2016 Series terminal blocks. Tool-free connections for individual test wires up to 2.5 mm²/AWG 12.

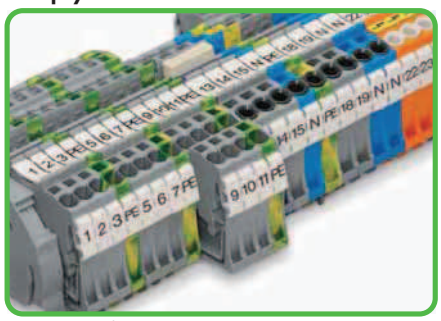
Test plug adapter



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

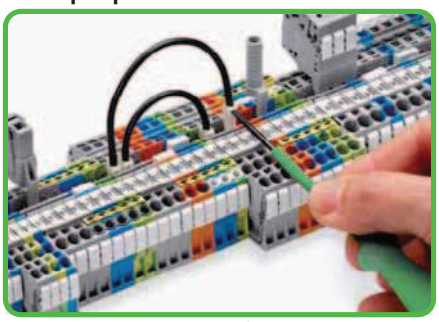


Simply marked



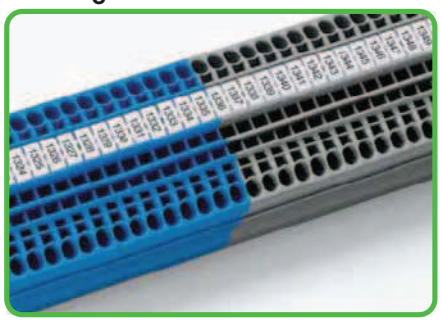
Marker strips for center marking

Wire jumpers



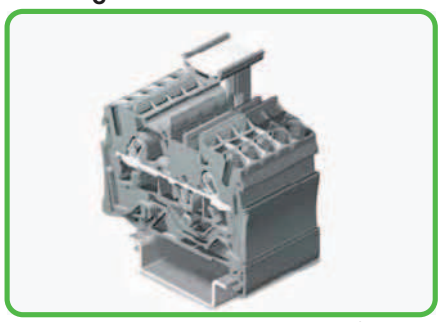
Push down the wire jumper until fully inserted.
Lift the jumper with an operating tool for rewiring.

Marking



WMB Inline
WMB markers on roll

Marking



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



fine-stranded,
tip-bonded

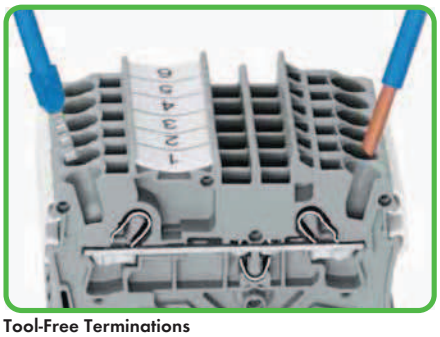


fine-stranded,
with ferrule,
(gastight crimped)

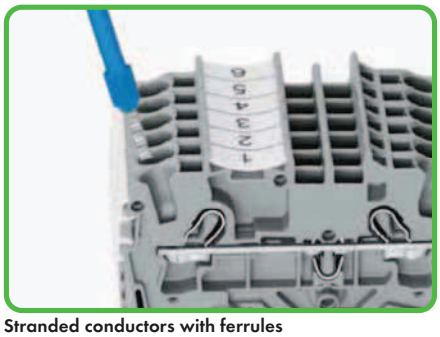


fine-stranded,
with pin terminal
(gastight crimped)

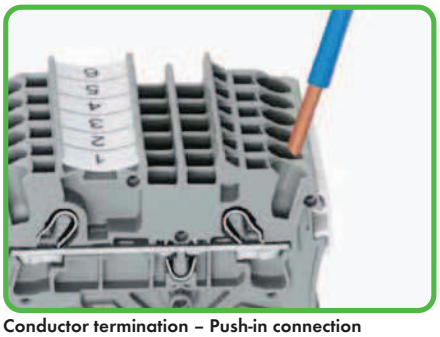
– Simply Push-In –
Conductor Termination/Removal
Handling Ex e/Ex i Separators



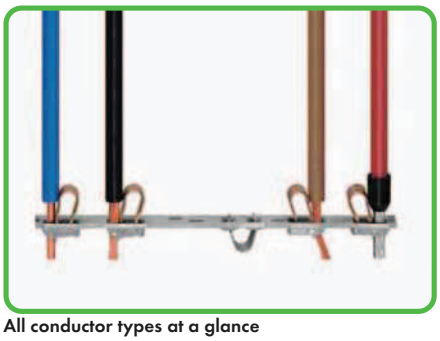
Tool-Free Terminations
Stripped solid, ferruled or ultrasonically "bonded" conductors are easily terminated by simply pushing them into a contact.
This advantage significantly reduces costs for conductors rated 0.5 mm² to 16 mm² (AWG 20-4) in applications such as electrical installations or factory wiring.



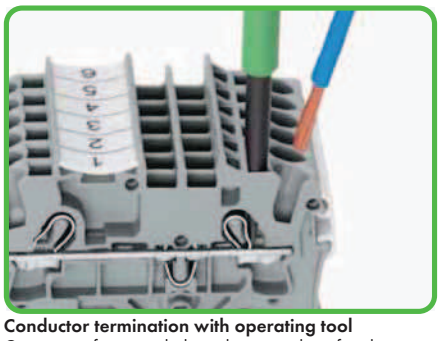
Stranded conductors with ferrules
from at least two sizes below the rated cross section up to the rated cross section can also be simply pushed in – without tools.



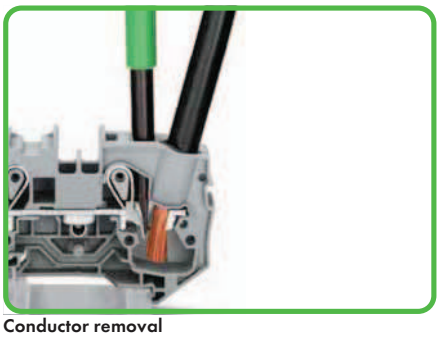
Conductor termination – Push-in connection
Solid conductors with cross sections from either one size above, or up to two sizes below, the rated cross section can be inserted directly – without tools.



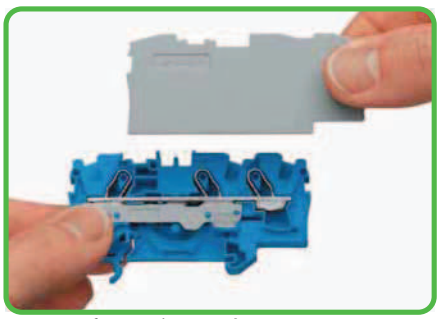
All conductor types at a glance



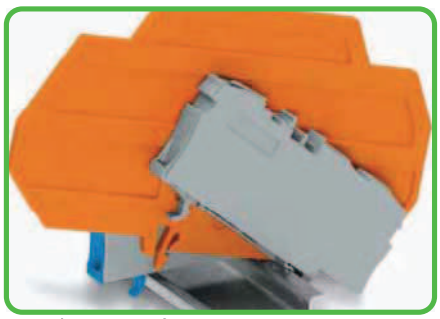
Conductor termination with operating tool
Connecting fine-stranded conductors without ferrules, or small cross-sectional conductors that cannot be pushed in, is performed similarly to the original CAGE CLAMP® - just use an operating tool.
The smart feature:
To open the clamp, the operating tool is inserted vertically. The conductor entry is less than 15 degrees resulting in easier wiring.



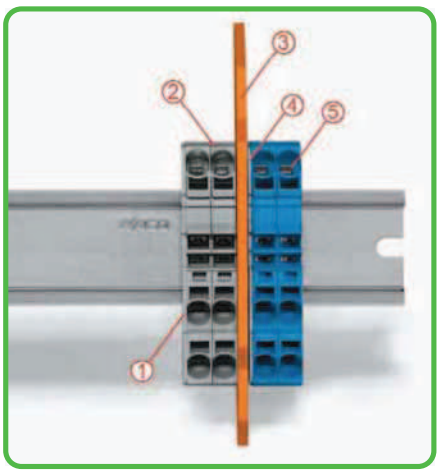
Conductor removal
Like the original CAGE CLAMP® an operating tool is used for conductor removal with CAGE CLAMP®S.



Separator 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.

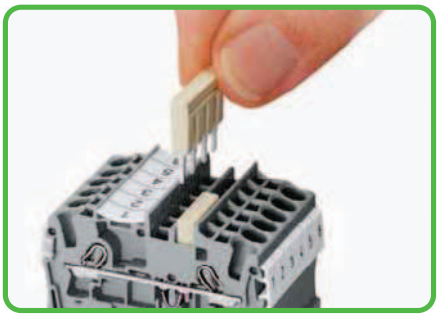


Ex e II/Ex i terminal strip
Notice:
The movable feet of terminal blocks and separator plates must face the same direction.

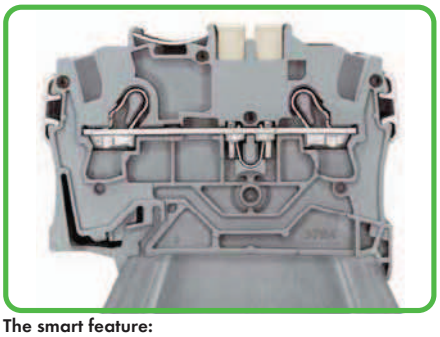


Separator located between Ex e II and Ex i terminal strip
① End plate
② Ex e II terminal blocks
③ Ex e/Ex i separator plate
④ End plate
⑤ Ex i terminal blocks

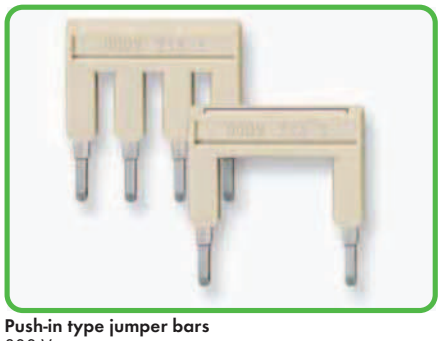
– Simply Jumpered –
Handling Push-In Type Jumper Bars
Angle-Type Rail-Mounted Terminal Blocks



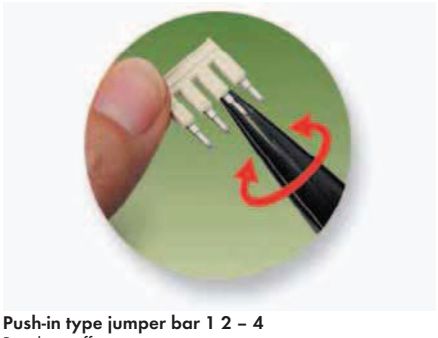
The push-in type jumper system is based on the common plug and socket principle. Each terminal block is spring-loaded with a double socket and a resilient CrNi steel spring. Therefore the jumpers, which consist of cathode copper, can be produced with particularly small dimensions. This does not impair their load carrying capacity in accordance with the terminal block rated current. Ground terminal blocks can also be commoned using the same jumper system. Custom jumpers are created by breaking and removing jumper contacts (4 mm²/AWG 12).



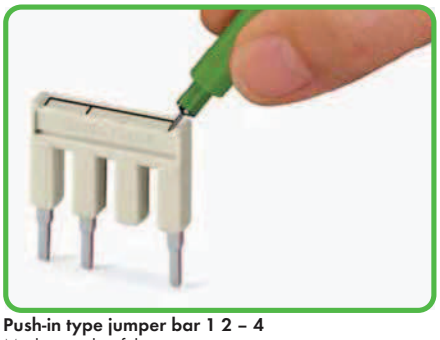
The smart feature:
Jumper slots can also be used for:
- push-in type jumper bars and step-down jumpers
- test plug adapters and testing taps
- preharnessed plugs for subassembly connections.



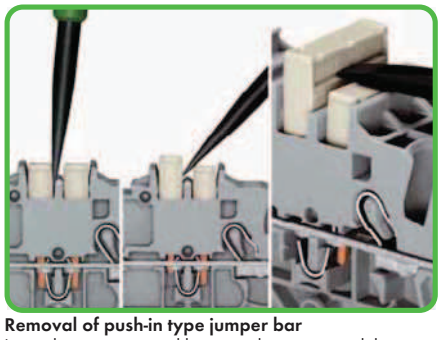
Push-in type jumper bars
800 V
600 V
550 V



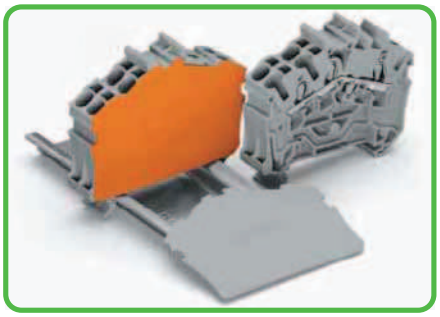
Push-in type jumper bar 1 2 – 4
Breaking off jumper contacts
500 V
300 V

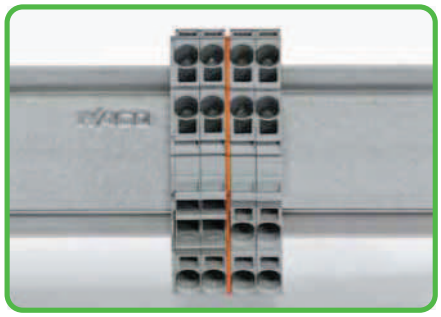


Push-in type jumper bar 1 2 – 4
Marking with a felt-tip pen.



Removal of push-in type jumper bar
Insert the operating tool between the jumper and the partition wall of the dual jumper slots.
Place the operating tool in the center of jumpers up to 5 contacts (see above), or alternately on both sides for jumpers with more than 5 contacts.

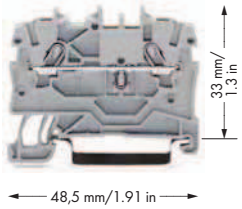


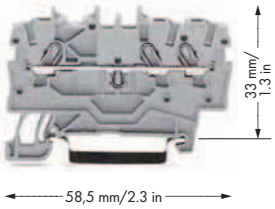


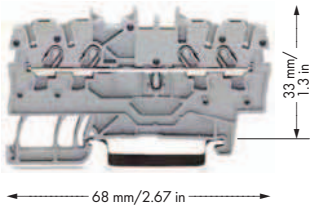
With continuous terminal strips an end plate must be used when changing from 3- to 4-conductor terminal blocks.

TOPJOB®S
Through/Ground Conductor/Ex and Double-Potential Terminal Blocks
1 (1.5) mm², 2000 Series

0.14 - 1 (1.5) mm² ❶ 800 V/8 kV/3 ❷ I_N 13.5 A (18 A)	AWG 24 - 16 600 V, 10 A 600 V, 10 A	Terminal block width 3.5 mm / 0.138 in 9 - 11 mm / 0.39 in ❸
0.14 - 1 (1.5) mm² ❶ 800 V/8 kV/3 ❷ I_N 13.5 A (18 A)	AWG 24 - 16 600 V, 10 A 600 V, 10 A	Terminal block width 3.5 mm / 0.138 in 9 - 11 mm / 0.39 in ❸
0.14 - 1 (1.5) mm² ❶ 800 V/8 kV/3 ❷ I_N 13.5 A (18 A)	AWG 24 - 16 600 V, 10 A 600 V, 10 A	Terminal block width 3.5 mm / 0.138 in 9 - 11 mm / 0.39 in ❸







	Item No.	Pack. Unit
2-conductor through terminal block		
gray	**2000-1201** ❺	100
blue	**2000-1204** ❹ ❺	100
orange	**2000-1202** ❺	100
red	**2000-1203** ❺	100
black	**2000-1205** ❺	100
yellow	**2000-1206** ❺	100
2-conductor ground terminal block		
green-yellow	**2000-1207** ❺	100

	Item No.	Pack. Unit
3-conductor through terminal block		
gray	**2000-1301** ❺	100
blue	**2000-1304** ❹ ❺	100
orange	**2000-1302** ❺	100
red	**2000-1303** ❺	100
black	**2000-1305** ❺	100
yellow	**2000-1306** ❺	100
3-conductor ground terminal block		
green-yellow	**2000-1307** ❺	100

	Item No.	Pack. Unit
4-conductor through terminal block		
gray	**2000-1401** ❺	100
blue	**2000-1404** ❹ ❺	100
orange	**2000-1402** ❺	100
red	**2000-1403** ❺	100
black	**2000-1405** ❺	100
yellow	**2000-1406** ❺	100
4-conductor ground terminal block		
green-yellow	**2000-1407** ❺	100

Item-Specific Accessories

End and intermediate plate, 0.7 mm thick



orange	**2000-1292**	100 (4x25)
gray	**2000-1291**	100 (4x25)

Item-Specific Accessories

End and intermediate plate, 0.7 mm thick



orange	**2000-1392**	100 (4x25)
gray	**2000-1391**	100 (4x25)

Item-Specific Accessories

End and intermediate plate, 0.7 mm thick



orange	**2000-1492**	100 (4x25)
gray	**2000-1491**	100 (4x25)

2000 Series Accessories

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

Push-in type jumper bar, insulated,



I_N 14 A, light gray

2-way	**2000-402**	200 (8x25)
3-way	**2000-403**	200 (8x25)
4-way	**2000-404**	200 (8x25)
5-way	**2000-405**	100 (4x25)
6-way	**2000-406**	100 (4x25)
7-way	**2000-407**	100 (4x25)
8-way	**2000-408**	100 (4x25)
9-way	**2000-409**	100 (4x25)
10-way	**2000-410**	100 (4x25)

Push-in type jumper bar, insulated,



I_N 14 A, light gray

from 1 to 3	**2000-433**	200 (8x25)
from 1 to 4	**2000-434**	200 (8x25)
from 1 to 5	**2000-435**	100 (4x25)
from 1 to 6	**2000-436**	100 (4x25)
from 1 to 7	**2000-437**	100 (4x25)
from 1 to 8	**2000-438**	100 (4x25)
from 1 to 9	**2000-439**	100 (4x25)
from 1 to 10	**2000-440**	100 (4x25)

Protective warning marker,



with high-voltage symbol, black, for 5 terminal blocks

yellow	**2000-115**	100 (4x25)

Delta jumper, insulated,



❻ I_N = I_N terminal block, light gray

1-2 3-4 5-6	**2000-406/020-000**	100 (4x25)

Star point jumper, insulated,



❻ I_N = I_N terminal block, light gray

1-3-5	**2000-405/011-000**	100 (4x25)

Test plug adapter,



for test plug 4 mm Ø

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

Banana plug,



❻ for socket 4 mm Ø, color mixed

	215-111	50

Testing tap,



for max. 2.5 mm²

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

Marking strip, plain,



11 mm wide, 50 m roll

white	**2009-110**	1

WMB Multi marking system,

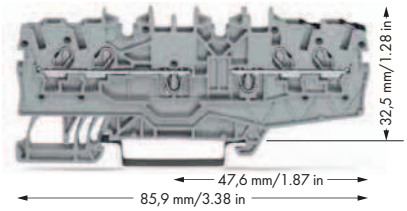
10 strips with 10 markers per card, for 3.5 mm terminal block width

plain	**793-3501**	5

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

0.14 - 1 (1.5) mm² ❶ | AWG 24 - 16
800 V/8 kV/3 ❷
I_N 13.5 A (18 A)

Terminal block width 3.5 mm / 0.138 in
9 - 11 mm / 0.39 in ❸



❶ Conductor sizes: 0.14 mm² – 1.5 mm² "s + f-st"; Push-in conductor sizes: 0.5 mm² – 1.5 mm² "s" and 0.5 mm² – 0.75 mm² "insulated ferrule, 10 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

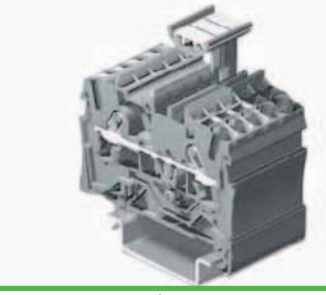
❺ Suitable for Ex e II applications
550 V, 13 A
Jumper 12 A
(also see Section 14)

❻ See application notes for:
Star point jumper, page 140
Delta jumper, page 140
Banana plug, page 198

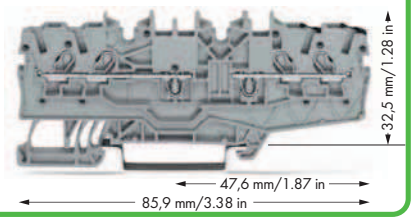
	Item No.	Pack. Unit
Double-potential terminal block, both potentials can be commoned		
gray	**2000-2141**	50

Item-Specific Accessories

End and intermediate plate, 0.7 mm thick			
	orange	**2000-2196**	100 (4x25)
	gray	**2000-2195**	100 (4x25)



TOPJOB®S group marker carrier
equipped with WMB Multi marking system.
Suitable for all 2000 to 2016 Series TOPJOB®S rail-mount terminal blocks
Do not use on an end plate!



Double-potential terminal blocks are space savers.
Two independent feedthrough circuits are placed in one insulated housing on one level in just 3.5 mm/0.138 in.
This achieves a width of just 1.75 mm/0.069 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.



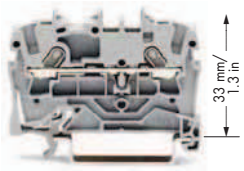
Standard and quick marking options:
Three marker slots are available for both individual markers and marking strips.



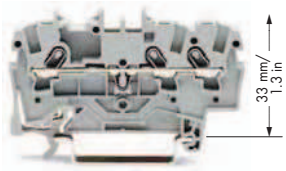
Standard and fast marking options:
Four marker slots (double-potential terminal blocks) are available for both individual markers and marking strips

TOPJOB®S
Through/Ground Conductor/Shield and Ex Terminal Blocks 1.5 (2.5) mm²
2001 Series

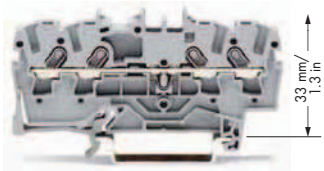
0.25 - 1.5 (2.5) mm² ❶ 800 V/8 kV/3 ❷ I_N 18 A (24 A)	AWG 22 - 14 600 V, 15 A 600 V, 15 A	Terminal block width 4.2 mm / 0.165 in 9 - 11 mm / 0.39 in ❸
0.25 - 1.5 (2.5) mm² ❶ 800 V/8 kV/3 ❷ I_N 18 A (24 A)	AWG 22 - 14 600 V, 15 A 600 V, 15 A	Terminal block width 4.2 mm / 0.165 in 9 - 11 mm / 0.39 in ❸
0.25 - 1.5 (2.5) mm² ❶ 800 V/8 kV/3 ❷ I_N 18 A (24 A)	AWG 22 - 14 600 V, 15 A 600 V, 15 A	Terminal block width 4.2 mm / 0.165 in 9 - 11 mm / 0.39 in ❸



48,5 mm/1.91 in



59,5 mm/2.34 in



70 mm/2.76 in

	Item No.	Pack. Unit
2-conductor through terminal block		
gray	**2001-1201** ❺	100
blue	**2001-1204** ❹ ❺	100
orange	**2001-1202** ❺	100
red	**2001-1203** ❺	100
black	**2001-1205** ❺	100
yellow	**2001-1206** ❺	100
2-conductor ground terminal block		
green-yellow	**2001-1207** ❺	100
Other terminal blocks with the same profile:		
Diode	**2001-1211/1000-411** Page 118	

	Item No.	Pack. Unit
3-conductor through terminal block		
gray	**2001-1301** ❺	100
blue	**2001-1304** ❹ ❺	100
orange	**2001-1302** ❺	100
red	**2001-1303** ❺	100
black	**2001-1305** ❺	100
yellow	**2001-1306** ❺	100
3-conductor ground terminal block		
green-yellow	**2001-1307** ❺	100
Other terminal blocks with the same profile:		
Diode	**2001-1311/1000-411** Page 118	
LED	**2001-1321/1000-434** Page 118	

	Item No.	Pack. Unit
4-conductor through terminal block		
gray	**2001-1401** ❺	100
blue	**2001-1404** ❹ ❺	100
orange	**2001-1402** ❺	100
red	**2001-1403** ❺	100
black	**2001-1405** ❺	100
yellow	**2001-1406** ❺	100
4-conductor ground terminal block		
green-yellow	**2001-1407** ❺	100
4-conductor shield terminal block		
white	**2001-1408**	100
Other terminal blocks with the same profile:		
Diode	**2001-1411/1000-411** Page 118	
LED	**2001-1421/1000-434** Page 118	
Double-potential	**2001-1441** Page 57	

Item-Specific Accessories

End and intermediate plate, 0.8 mm thick			
	orange	**2002-1292**	100 (4x25)
	gray	**2002-1291**	100 (4x25)
Separator, oversized, 2 mm thick			
	orange	**2002-1294**	100 (4x25)
	gray	**2002-1293**	100 (4x25)
Ex e/Ex i separator, orange,			
❻	3 mm thick		
	90 mm	**209-190**	50 (2x25)
	120 mm	**209-191**	50 (2x25)

Item-Specific Accessories

End and intermediate plate, 0.8 mm thick			
	orange	**2002-1392**	100 (4x25)
	gray	**2002-1391**	100 (4x25)
Separator, oversized, 2 mm thick			
	orange	**2002-1394**	100 (4x25)
	gray	**2002-1393**	100 (4x25)
Ex e/Ex i separator, orange,			
❻	3 mm thick		
	120 mm	**209-191**	50 (2x25)

Item-Specific Accessories

End and intermediate plate, 0.8 mm thick			
	orange	**2002-1492**	100 (4x25)
	gray	**2002-1491**	100 (4x25)
Separator, oversized, 2 mm thick			
	orange	**2002-1494**	100 (4x25)
	gray	**2002-1493**	100 (4x25)
Ex e/Ex i separator, orange,			
❻	3 mm thick		
	120 mm	**209-191**	50 (2x25)

2001 Series Accessories

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

Insulation stop,			
	5 pcs/strip,		
	0.25 - 0.5 mm²		
	light gray	**2001-171**	200 (8x25)
Step-down jumper, insulated,			
❻	I_N 32 A		
	light gray	**2006-499**	50 (2x25)
Protective warning marker,			
	with high-voltage symbol, black,		
	for 5 terminal blocks		
	yellow	**2001-115**	100 (4x25)

Push-in type jumper bar, insulated,			
	I_N 18 A,		
	light gray		
	2-way	**2001-402**	200 (8x25)
	3-way	**2001-403**	200 (8x25)
	4-way	**2001-404**	200 (8x25)
	5-way	**2001-405**	100 (4x25)
	6-way	**2001-406**	100 (4x25)
	7-way	**2001-407**	100 (4x25)
	8-way	**2001-408**	100 (4x25)
	9-way	**2001-409**	100 (4x25)
	10-way	**2001-410**	100 (4x25)

Push-in type jumper bar, insulated,			
	I_N 18 A,		
	light gray		
	from 1 to 3	**2001-433**	200 (8x25)
	from 1 to 4	**2001-434**	200 (8x25)
	from 1 to 5	**2001-435**	100 (4x25)
	from 1 to 6	**2001-436**	100 (4x25)
	from 1 to 7	**2001-437**	100 (4x25)
	from 1 to 8	**2001-438**	100 (4x25)
	from 1 to 9	**2001-439**	100 (4x25)
	from 1 to 10	**2001-440**	100 (4x25)

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

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"

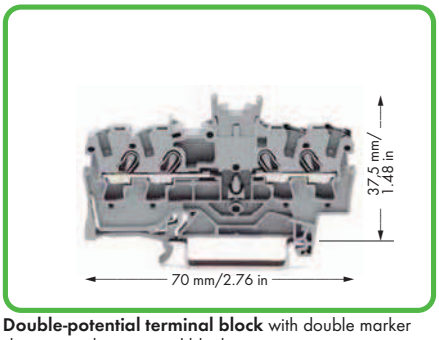
2 800 V = rated voltage
8 kV = rated surge voltage
3 = pollution degree
(also see Section 14)

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)

Star point jumper, insulated,
6
I_N = I_N terminal block, light gray
1-3-5 **2001-405/011-000** 100 (4x25)

Push-in type wire jumper,
6
insulated,
I_N 16 A,
wire size 1.5 mm²
L = 60 mm **2009-412** 100 (10x10)
L = 110 mm **2009-414** 100 (10x10)
L = 250 mm **2009-416** 100 (10x10)

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)

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)

Banana plug,
6
for socket 4 mm Ø,
color mixed
215-111 50

Testing tap,
for max. 2.5 mm²
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

WMB Inline, plain,
stretchable 4 - 4.2 mm,
2,000 WMB markers, 4 mm, on roll
white **2009-114** 1

WMB Multi marking system,
10 strips with 10 markers per card,
stretchable 4 - 4.2 mm
plain **793-4501** 5

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

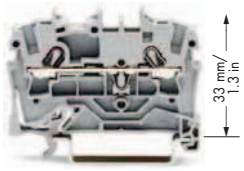
Marking strip, plain,
11 mm wide,
50 m roll
white **2009-110** 1

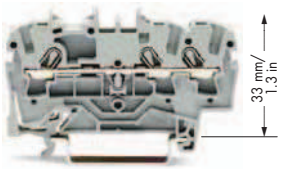
Screwless end stop,
for DIN 35 rail,
6 mm wide
gray **249-116** 100 (4x25)

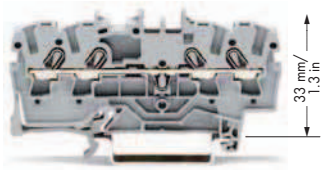
Screwless end stop,
for DIN 35 rail,
10 mm wide
gray **249-117** 50 (2x25)

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

0.25 - 2.5 (4) mm² ❶ 800 V/8 kV/3 ❷ I_N 24 A (32 A)	AWG 22 - 12 600 V, 20 A 600 V, 20 A	Terminal block width 5.2 mm / 0.205 in 10 - 12 mm / 0.43 in ❸
0.25 - 2.5 (4) mm² ❶ 800 V/8 kV/3 ❷ I_N 24 A (32 A)	AWG 22 - 12 600 V, 20 A 600 V, 20 A	Terminal block width 5.2 mm / 0.205 in 10 - 12 mm / 0.43 in ❸
0.25 - 2.5 (4) mm² ❶ 800 V/8 kV/3 ❷ I_N 24 A (32 A)	AWG 22 - 12 600 V, 20 A 600 V, 20 A	Terminal block width 5.2 mm / 0.205 in 10 - 12 mm / 0.43 in ❸







	Item No.	Pack. Unit
2-conductor through terminal block		
gray	**2002-1201** ❺	100
blue	**2002-1204** ❹ ❺	100
orange	**2002-1202** ❺	100
red	**2002-1203** ❺	100
black	**2002-1205** ❺	100
yellow	**2002-1206** ❺	100
2-conductor ground terminal block		
green-yellow	**2002-1207** ❺	100
Other terminal blocks with the same profile:		
Diode	**2002-1211/1000-411** Page 120	

	Item No.	Pack. Unit
3-conductor through terminal block		
gray	**2002-1301** ❺	100
blue	**2002-1304** ❹ ❺	100
orange	**2002-1302** ❺	100
red	**2002-1303** ❺	100
black	**2002-1305** ❺	100
yellow	**2002-1306** ❺	100
3-conductor ground terminal block		
green-yellow	**2002-1307** ❺	100
Other terminal blocks with the same profile:		
Diode	**2002-1311/1000-411** Page 120	
LED	**2002-1321/1000-434** Page 120	

	Item No.	Pack. Unit
4-conductor through terminal block		
gray	**2002-1401** ❺	100
blue	**2002-1404** ❹ ❺	100
orange	**2002-1402** ❺	100
red	**2002-1403** ❺	100
black	**2002-1405** ❺	100
yellow	**2002-1406** ❺	100
4-conductor ground terminal block		
green-yellow	**2002-1407** ❺	100
4-conductor shield terminal block		
white	**2002-1408**	100
Other terminal blocks with the same profile:		
Diode	**2002-1411/1000-411** Page 120	
LED	**2002-1421/1000-434** Page 120	
Double-potential	**2002-1441** Page 59	

Item-Specific Accessories

End and intermediate plate, 0.8 mm thick



orange	**2002-1292**	100 (4x25)
gray	**2002-1291**	100 (4x25)

Separator, oversized, 2 mm thick



orange	**2002-1294**	100 (4x25)
gray	**2002-1293**	100 (4x25)

Ex e/Ex i separator, orange,

❻



3 mm thick		
90 mm	**209-190**	50 (2x25)
120 mm	**209-191**	50 (2x25)

Item-Specific Accessories

End and intermediate plate, 0.8 mm thick



orange	**2002-1392**	100 (4x25)
gray	**2002-1391**	100 (4x25)

Separator, oversized, 2 mm thick



orange	**2002-1394**	100 (4x25)
gray	**2002-1393**	100 (4x25)

Ex e/Ex i separator, orange,

❻



3 mm thick		
120 mm	**209-191**	50 (2x25)

Item-Specific Accessories

End and intermediate plate, 0.8 mm thick



orange	**2002-1492**	100 (4x25)
gray	**2002-1491**	100 (4x25)

Separator, oversized, 2 mm thick



orange	**2002-1494**	100 (4x25)
gray	**2002-1493**	100 (4x25)

Ex e/Ex i separator, orange,

❻



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,



5 pcs/strip,		
0.25 - 0.5 mm²		
light gray	**2002-171**	200 (8x25)

Insulation stop,



5 pcs/strip,		
0.75 - 1 mm²		
dark gray	**2002-172**	200 (8x25)

Protective warning marker,



with high-voltage symbol, black,		
for 5 terminal blocks		
yellow	**2002-115**	100 (4x25)

Push-in type jumper bar, insulated,

❻



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)

Push-in type jumper bar, insulated,



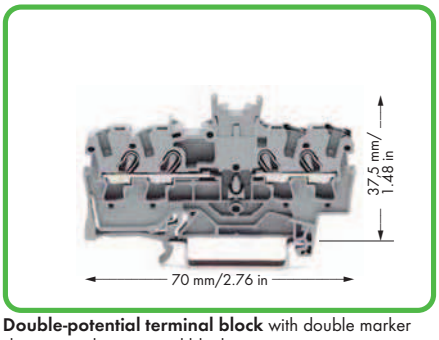
I_N 25 A,		
light gray		
from 1 to 3	**2002-433**	200 (8x25)
from 1 to 4	**2002-434**	200 (8x25)
from 1 to 5	**2002-435**	100 (4x25)
from 1 to 6	**2002-436**	100 (4x25)
from 1 to 7	**2002-437**	100 (4x25)
from 1 to 8	**2002-438**	100 (4x25)
from 1 to 9	**2002-439**	100 (4x25)
from 1 to 10	**2002-440**	100 (4x25)

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

Double-Potential Terminal Blocks 2.5 (4) mm²
2002 Series
Accessories for Rail-Mounted Terminal Blocks

CAGE CLAMP®S

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 52
   Colored push-in type jumper bars, page 139
   Staggered jumper, page 141
   Delta jumper, page 140
   Star point jumper, page 140
   Step-down jumper, page 67
   Adjacent jumper for continuous commoning, page 139
   Push-in type wire jumper, page 140
   TOPJOB®S connector, page 134
   TOPJOB®S L-type test plug module, page 136
   Marker carrier, page 145



Double-potential terminal block with double marker slot centered on terminal block
gray 2002-1441
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 5.2 mm/0.205 in. This achieves a width of just 2.6 mm/0.103 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

2002 Series Accessories

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

Staggered jumper, 6
insulated, I_N 25 A, light gray

2-way	**2002-472**	100 (4x25)
3-way	**2002-473**	100 (4x25)
4-way	**2002-474**	100 (4x25)
5-way	**2002-475**	50 (2x25)
6-way	**2002-476**	50 (2x25)
7-way	**2002-477**	50 (2x25)
8-way	**2002-478**	50 (2x25)
9-way	**2002-479**	50 (2x25)
10-way	**2002-480**	50 (2x25)
11-way	**2002-481**	50 (2x25)
12-way	**2002-482**	50 (2x25)

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)

Delta jumper, insulated, 6
I_N = I_N terminal block, light gray

1-2 3-4 5-6	**2002-406/020-000**	100 (4x25)

Star point jumper, insulated, 6
I_N = I_N terminal block, light gray

1-3-5	**2002-405/011-000**	100 (4x25)

Step-down jumper, insulated, 6
I_N 32 A, light gray **2006-499** 50 (2x25)

Adjacent jumper for continuous commoning, 6
insulated, I_N 25 A, light gray
2-way **2002-400** 100 (4x25)

WMB Inline, plain,
stretchable 5 - 5.2 mm, 1,500 WMB markers, 5 mm, on roll
white **2009-115** 1

Push-in type wire jumper, 6
insulated, I_N 16 A, wire size 1.5 mm²

L = 60 mm	**2009-412**	100 (10x10)
L = 110 mm	**2009-414**	100 (10x10)
L = 250 mm	**2009-416**	100 (10x10)

Modular TOPJOB®S connector, 6
can be snapped together, 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)

Testing tap,
for max. 2.5 mm²
gray **2009-182** 100 (4x25)

TOPJOB®S test plug module, 6
can be snapped together
gray **2002-611** 100 (4x25)

TOPJOB®S spacer, can be snapped together,
e.g., for bridging commoned terminal blocks
gray **2002-649** 100 (4x25)

End plate, for modular TOPJOB®S test plugs,
1.5 mm thick
gray **2002-641** 100 (4x25)

Marker carrier, 6
for jumper slots 2002 Series, 5 mm wide
gray **2002-161** 100 (4x25)

WMB Multi marking system,
10 strips with 10 markers per card, stretchable 5 - 5.2 mm
plain **793-5501** 5

TOPJOB®S
Through/Ground Conductor/Shield and Ex Terminal Blocks
2.5 (4) mm², 2002 Series

CAGE CLAMP®S

0.25 - 2.5 (4) mm² ❶	AWG 22 - 12
800 V/8 kV/3 ❷	600 V, 20 A
I_N 24 A (32 A)	600 V, 20 A

Terminal block width 5.2 mm / 0.205 in
10 - 12 mm / 0.43 in ❸



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 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 52
Colored push-in type jumper bars, page 139
Staggered jumper, page 141
Delta jumper, page 140
Star point jumper, page 140
Adjacent jumper for continuous commoning, page 139
Push-in type wire jumper, page 140
TOPJOB®S connector, page 134
TOPJOB®S L-type test plug module, page 136
Marker carrier, page 145

	Item No.	Pack. Unit
3-conductor through terminal block		
gray	**2002-6301** ❺	100
blue	**2002-6304** ❹ ❺	100
orange	**2002-6302** ❺	100
red	**2002-6303** ❺	100
black	**2002-6305** ❺	100
yellow	**2002-6306** ❺	100
3-conductor ground terminal block		
green-yellow	**2002-6307** ❺	100
3-conductor shield terminal block		
white	**2002-6308**	100

2002 Series Accessories

End and intermediate plate, 0.8 mm thick



orange	**2002-6392**	100 (4x25)
gray	**2002-6391**	100 (4x25)

Ex e/Ex i separator, orange, ❻



3 mm thick		
120 mm	**209-191**	50 (2x25)

Insulation stop,



5 pcs/strip,		
0.25 - 0.5 mm²		
light gray	**2002-171**	200 (8x25)

Insulation stop,



5 pcs/strip,		
0.75 - 1 mm²		
dark gray	**2002-172**	200 (8x25)

Push-in type jumper bar, insulated, ❻



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)

Adjacent jumper for continuous commoning, ❻



insulated, I_N 25 A,		
light gray		
2-way	**2002-400**	100 (4x25)

2002 Series Accessories

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

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)

Delta jumper, insulated, ❻



I_N = I_N terminal block, light gray		
1-2 3-4 5-6	**2002-406/020-000**	
		100 (4x25)

Star point jumper, insulated, ❻



I_N = I_N terminal block, light gray		
1-3-5	**2002-405/011-000**	
		100 (4x25)

Staggered jumper, ❻



insulated,		
I_N 25 A,		
light gray		
2-way	**2002-472**	100 (4x25)
3-way	**2002-473**	100 (4x25)
4-way	**2002-474**	100 (4x25)
5-way	**2002-475**	50 (2x25)
6-way	**2002-476**	50 (2x25)
7-way	**2002-477**	50 (2x25)
8-way	**2002-478**	50 (2x25)
9-way	**2002-479**	50 (2x25)
10-way	**2002-480**	50 (2x25)
11-way	**2002-481**	50 (2x25)
12-way	**2002-482**	50 (2x25)

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, ❻



insulated,		
I_N 16 A,		
wire size 1.5 mm²		
L = 60 mm	**2009-412**	100 (10x10)
L = 110 mm	**2009-414**	100 (10x10)
L = 250 mm	**2009-416**	100 (10x10)

Protective warning marker,



with high-voltage symbol, black,		
for 5 terminal blocks		
yellow	**2002-115**	100 (4x25)

Modular TOPJOB®S connector, ❻



can be snapped together,		
for jumper contact slot		
gray	**2002-511**	100 (4x25)

TOPJOB®S L-test plug module, ❻



can be snapped together		
gray	**2002-611**	100 (4x25)

Test plug adapter,



for test plug 4 mm Ø		
gray	**2009-174**	100 (4x25)

Testing tap,



for max. 2.5 mm²		
gray	**2009-182**	100 (4x25)

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

TOPJOB®S group marker carrier,



snap-on type for jumper slot,		
5 mm wide		
gray	**2009-191**	50 (2x25)

Marker carrier, ❻



for jumper slots 2002 Series,		
5 mm wide		
gray	**2002-161**	100 (4x25)

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

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

CAGE CLAMP®S

0.25 - 2.5 (4) mm² ❶	AWG 22 - 12
800 V/8 kV/3 ❷	600 V, 20 A
I_N 24 A (32 A)	600 V, 20 A

Terminal block width 5.2 mm / 0.205 in
10 - 12 mm / 0.43 in ❸



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 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.

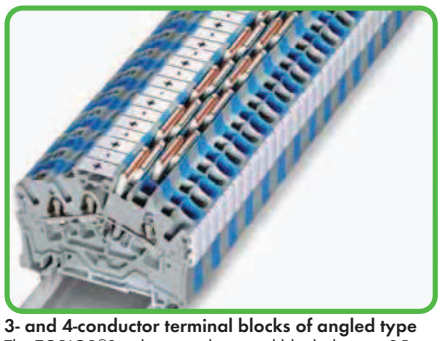
❹ Suitable for Ex i applications

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 52

	Item No.	Pack. Unit
4-conductor through terminal block		
gray Ex	**2002-6401** ❺	100
blue Ex	**2002-6404** ❹ ❺	100
orange Ex	**2002-6402** ❺	100
red Ex	**2002-6403** ❺	100
black Ex	**2002-6405** ❺	100
yellow Ex	**2002-6406** ❺	100
4-conductor ground terminal block		
green-yellow Ex	**2002-6407** ❺	100

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 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.

2002 Series Accessories

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

End and intermediate plate, 0.8 mm thick



orange	**2002-6392**	100 (4x25)
gray	**2002-6391**	100 (4x25)

Ex e/Ex i separator, orange,



3 mm thick

120 mm	**209-191**	50 (2x25)

Insulation stop,



5 pcs/strip,
0.25 - 0.5 mm²

light gray	**2002-171**	200 (8x25)

Insulation stop,



5 pcs/strip,
0.75 - 1 mm²

dark gray	**2002-172**	200 (8x25)

Protective warning marker,



with high-voltage symbol, black,
for 5 terminal blocks

yellow	**2002-115**	100 (4x25)

WMB Inline, plain,



stretchable 5 - 5.2 mm,
1,500 WMB markers, 5 mm, on roll

white	**2009-115**	1

Marking strip, plain,



11 mm wide,
50 m roll

white	**2009-110**	1

WMB Multi marking system,

10 strips with 10 markers per card,
stretchable 5 - 5.2 mm

plain	**793-5501**	5

WMB Multi marking system, plain,



10 strips with 10 markers per card,
stretchable 5 - 5.2 mm

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**	
		5

Screwless end stop,



for DIN 35 rail,
6 mm wide

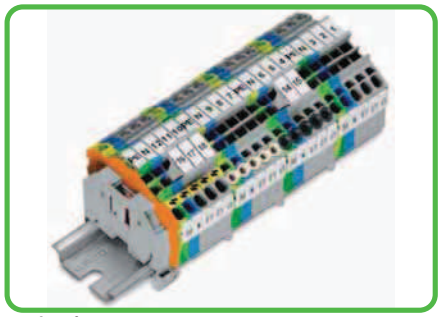
gray	**249-116**	100 (4x25)

Screwless end stop,



for DIN 35 rail,
10 mm wide

gray	**249-117**	50 (2x25)



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**

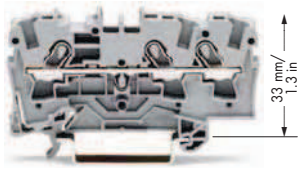
An end plate must be applied when changing from a 3-conductor terminal block to a 4-conductor terminal block and vice versa.
Also see page 53.

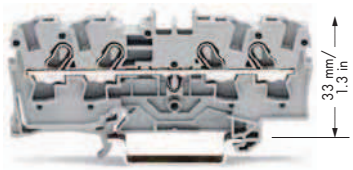
For list of approvals and user guide, see pages 634 to 637.

TOPJOB®S
Through/Ground Conductor/Shield and Ex Terminal Blocks 4 (6) mm²
2004 Series

0.5 - 4 (6) mm² ❶ 800 V/8 kV/3 ❷ I_N 32 A (41 A)	AWG 20 - 10 600 V, 30 A 600 V, 30 A	Terminal block width 6.2 mm / 0.244 in 11 - 13 mm / 0.47 in ❸
0.5 - 4 (6) mm² ❶ 800 V/8 kV/3 ❷ I_N 32 A (41 A)	AWG 20 - 10 600 V, 30 A 600 V, 30 A	Terminal block width 6.2 mm / 0.244 in 11 - 13 mm / 0.47 in ❸
0.5 - 4 (6) mm² ❶ 800 V/8 kV/3 ❷ I_N 32 A (41 A)	AWG 20 - 10 600 V, 30 A 600 V, 30 A	Terminal block width 6.2 mm / 0.244 in 11 - 13 mm / 0.47 in ❸







Item No.		Pack. Unit
2-conductor through terminal block		
gray	**2004-1201** ❺	50
blue	**2004-1204** ❹ ❺	50
orange	**2004-1202** ❺	50
red	**2004-1203** ❺	50
black	**2004-1205** ❺	50
yellow	**2004-1206** ❺	50
2-conductor ground terminal block		
green-yellow	**2004-1207** ❺	50
Other terminal blocks with the same profile:		
Diode	**2004-1211/1000-401** Page 122	

Item No.		Pack. Unit
3-conductor through terminal block		
gray	**2004-1301** ❺	50
blue	**2004-1304** ❹ ❺	50
orange	**2004-1302** ❺	50
red	**2004-1303** ❺	50
black	**2004-1305** ❺	50
yellow	**2004-1306** ❺	50
3-conductor ground terminal block		
green-yellow	**2004-1307** ❺	50
Other terminal blocks with the same profile:		
Diode	**2004-1311/1000-401** Page 122	

Item No.		Pack. Unit
4-conductor through terminal block		
gray	**2004-1401** ❺	50
blue	**2004-1404** ❹ ❺	50
orange	**2004-1402** ❺	50
red	**2004-1403** ❺	50
black	**2004-1405** ❺	50
yellow	**2004-1406** ❺	50
4-conductor ground terminal block		
green-yellow	**2004-1407** ❺	50
4-conductor shield terminal block		
white	**2004-1408**	50
Other terminal blocks with the same profile:		
Diode	**2004-1411/1000-401** Page 122	

Item-Specific Accessories

End and intermediate plate, 1 mm thick			
	orange	**2004-1292**	100 (4x25)
	gray	**2004-1291**	100 (4x25)
Separator, oversized, 2 mm thick			
	orange	**2004-1294**	100 (4x25)
	gray	**2004-1293**	100 (4x25)
Ex e/Ex i separator, orange,			
❻ 3 mm thick			
	90 mm	**209-190**	50 (2x25)
	120 mm	**209-191**	50 (2x25)

Item-Specific Accessories

End and intermediate plate, 1 mm thick			
	orange	**2004-1392**	100 (4x25)
	gray	**2004-1391**	100 (4x25)
Separator, oversized, 2 mm thick			
	orange	**2004-1394**	100 (4x25)
	gray	**2004-1393**	100 (4x25)
Ex e/Ex i separator, orange,			
❻ 3 mm thick			
	120 mm	**209-191**	50 (2x25)

Item-Specific Accessories

End and intermediate plate, 1 mm thick			
	orange	**2004-1492**	100 (4x25)
	gray	**2004-1491**	100 (4x25)
Separator, oversized, 2 mm thick			
	orange	**2004-1494**	100 (4x25)
	gray	**2004-1493**	100 (4x25)
Ex e/Ex i separator, orange,			
❻ 3 mm thick			
	120 mm	**209-191**	50 (2x25)

2004 Series Accessories

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

Insulation stop,			
	5 pcs/strip,		
	0.25 - 0.5 mm²		
	light gray	**2004-171**	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)

Insulation stop,			
	5 pcs/strip,		
	0.75 - 1 mm²		
	dark gray	**2004-172**	200 (8x25)
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)

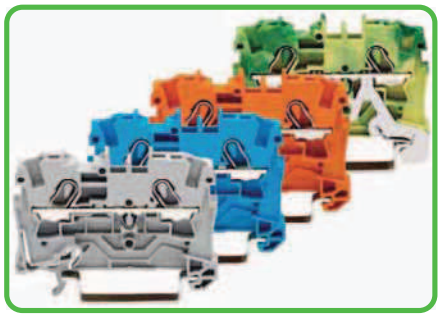
Delta jumper, insulated,			
❻	I_N = I_N terminal block, light gray		
	1-2 3-4 5-6	**2004-406/020-000**	
			100 (4x25)
Star point jumper, insulated,			
❻	I_N = I_N terminal block, light gray		
	1-3-5	**2004-405/011-000**	
			100 (4x25)
Step-down jumper, insulated,			
❻	I_N 32 A		
	light gray	**2006-499**	50 (2x25)
Protective warning marker,			
	with high-voltage symbol, black,		
	for 5 terminal blocks		
	yellow	**2004-115**	100 (4x25)

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

Terminal Blocks for Ex i or Ex e II Applications



Through terminal blocks with 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 sizes: 0.5 mm² – 6 mm² "s + f-st"; Push-in conductor sizes: 1 mm² – 6 mm² "s" and 0.75 mm² – 4 mm² "insulated ferrule, 12 mm"

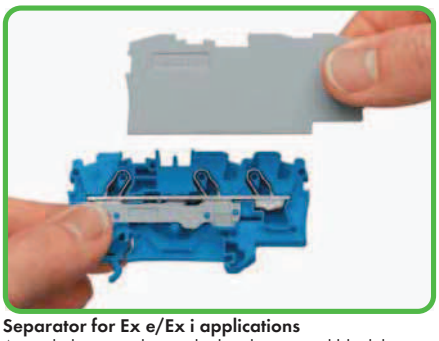
❷ 800 V = rated voltage
8 kV = rated surge voltage
3 = pollution degree
(also see Section 14)

❸ Strip length, see packaging or instructions.

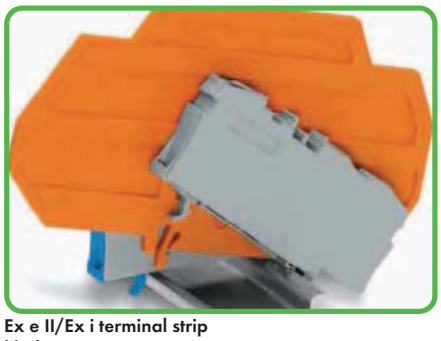
❹ Suitable for Ex i applications

❺ Suitable for Ex e II applications
550 V, 30 A
(also see Section 14)

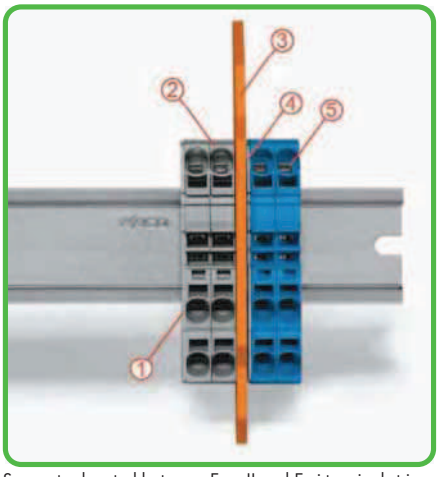
❻ See application notes for:
Ex e/Ex i separator plate, page 52
Step-down jumper, page 67
Star point jumper, page 140
Delta jumper, page 140
Banana plug, page 198
TOPJOB®S connector, page 134



Separator 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
Notice:
The movable feet of terminal blocks and separator plate must face the same direction.



Separator located between Ex e II and Ex i terminal strip
① End plate
② Ex e II terminal blocks
③ Ex e/Ex i separator plate
④ End plate
⑤ Ex i terminal blocks

2004 Series Accessories

Modular TOPJOB®S connector, ❻	can be snapped together, for jumper contact slot		
	gray	**2004-511**	100 (4x25)
Spacer module, can be snapped together,	e.g., for bridging commoned terminal blocks		
	gray	**2004-549**	100 (4x25)
End plate,	for modular TOPJOB®S connectors, 1.5 mm thick		
	gray	**2004-541**	100 (4x25)
Test plug adapter,	for test plug 4 mm Ø		
	gray	**2009-174**	100 (4x25)
Banana plug, ❻	for socket 4 mm Ø, color mixed		
		215-111	50
Testing tap,	for max. 2.5 mm²		
	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
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
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)

TOPJOB®S
Through/Ground Conductor and Ex Terminal Blocks 6 (10) mm²
2006 Series

CAGE CLAMP®S

0.5 - 6 (10) mm² ❶	AWG 20 - 8
800 V/8 kV/3 ❷	600 V, 50 A
I_N 41 A (57 A)	600 V, 50 A
Terminal block width 7.5 mm / 0.295 in	
13 - 15 mm / 0.55 in ❸	

0.5 - 6 (10) mm² ❶	AWG 20 - 8
800 V/8 kV/3 ❷	600 V, 50 A
I_N 41 A (57 A)	600 V, 50 A
Terminal block width 7.5 mm / 0.295 in	
13 - 15 mm / 0.55 in ❸	

❶ Conductor sizes: 0.5 mm² – 10 mm² "s + f-st"; Push-in conductor sizes: 1 mm² – 10 mm² "s" and 1.5 mm² – 6 mm² "insulated ferrule, 12 mm"

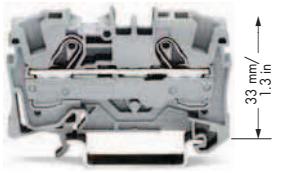
❷ 800 V = rated voltage
8 kV = rated surge voltage
3 = pollution degree
(also see Section 14)

❸ Strip length, see packaging or instructions.

❹ Suitable for Ex i applications

❺ Suitable for Ex e II applications
550 V, 38 A for 2-conductor terminal blocks
550 V, 36 A for 3-conductor terminal blocks
Jumper 33 A
(also see Section 14)

❻ See application notes for:
Ex e/Ex i separator plate, page 52
Step-down jumper, page 67
Star point jumper, page 140
Banana plug, page 198
TOPJOB®S connector, page 136





	Item No.	Pack. Unit
2-conductor through terminal block		
gray	**2006-1201** ❺	50
blue	**2006-1204** ❹ ❺	50
orange	**2006-1202** ❺	50
2-conductor ground terminal block		
green-yellow	**2006-1207** ❺	50

	Item No.	Pack. Unit
3-conductor through terminal block		
gray	**2006-1301** ❺	25
blue	**2006-1304** ❹ ❺	25
orange	**2006-1302** ❺	25
3-conductor ground terminal block		
green-yellow	**2006-1307** ❺	25

Item-Specific Accessories

End and intermediate plate, 1 mm thick			
	orange	**2006-1292**	100 (4x25)
	gray	**2006-1291**	100 (4x25)
Separator, oversized, 2 mm thick			
	orange	**2006-1294**	100 (4x25)
	gray	**2006-1293**	100 (4x25)

Item-Specific Accessories

End and intermediate plate, 1 mm thick			
	orange	**2006-1392**	100 (4x25)
	gray	**2006-1391**	100 (4x25)
Separator, oversized, 2 mm thick			
	orange	**2006-1394**	100 (4x25)
	gray	**2006-1393**	100 (4x25)

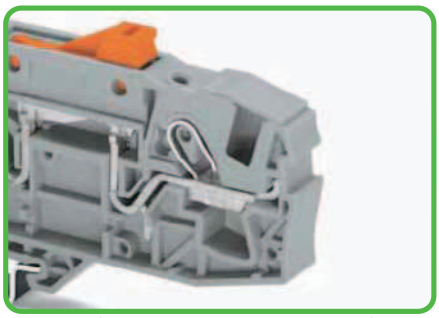
2006 Series Accessories

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

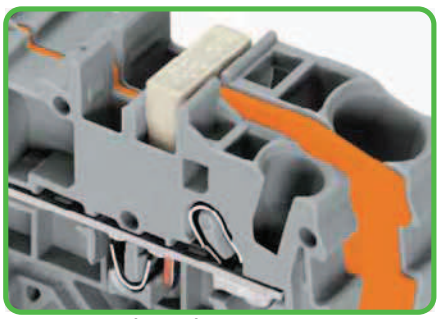
Ex e/Ex i separator, orange,			
❻	3 mm thick		
	120 mm	**209-191**	50 (2x25)
Push-in type jumper bar, insulated,			
	I_N 41 A,		
	light gray		
	2-way	**2006-402**	50 (2x25)
	3-way	**2006-403**	50 (2x25)
	4-way	**2006-404**	50 (2x25)
	5-way	**2006-405**	50 (2x25)
Push-in type jumper bar, insulated,			
	I_N 41 A,		
	light gray		
	from 1 to 3	**2006-433**	50 (2x25)
	from 1 to 4	**2006-434**	50 (2x25)
	from 1 to 5	**2006-435**	50 (2x25)
Star point jumper, insulated,			
❻	I_N = I_N terminal block, light gray		
	1-3-5	**2006-405/011-000**	
			50 (2x25)
Step-down jumper, insulated,			
❻	I_N 32 A		
	light gray	**2006-499**	50 (2x25)

Protective warning marker,			
	with high-voltage symbol, black,		
	for 5 terminal blocks		
	yellow	**2006-115**	100 (4x25)
Lockout cap,			
	for conductor entry hole and operating slot		
	gray	**2006-191**	25
Modular TOPJOB®S connector,			
❻	can be snapped together,		
	for jumper contact slot		
	gray	**2006-511**	50 (2x25)
Test plug adapter,			
	for test plug 4 mm Ø		
	gray	**2009-174**	100 (4x25)
Testing tap,			
	for max. 2.5 mm²		
	gray	**2009-182**	100 (4x25)
Banana plug,			
❻	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

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



Lockout cap for covering unused clamping units of 2006 Series TOPJOB®S terminal blocks.



Commoning with step-down jumpers
An end plate must be inserted between the terminal blocks to be jumpered. Step-down jumper 2006-499 commons 6/4 mm² (AWG 10/12) terminal blocks with 4/2.5/1.5 mm² (AWG 12/14/16) terminal blocks. Step-down jumpers are simply pushed down for full insertion, similar to other push-in type jumper bars.

Note:
The total current flowing shall not exceed the rating of the step-down jumper/push-in type jumper bar.

TOPJOB®S
Through/Ground Conductor and Ex Terminal Blocks 10 (16) mm²
2010 Series

0.5 - 10 (16) mm² ❶	AWG 20 - 6
800 V/8 kV/3 ❷	600 V, 65 A
I_N 57 A (76 A)	600 V, 65 A
Terminal block width 10 mm / 0.394 in	
17 - 19 mm / 0.71 in ❸	

0.5 - 10 (16) mm² ❶	AWG 20 - 6
800 V/8 kV/3 ❷	600 V, 65 A
I_N 57 A (76 A)	600 V, 65 A
Terminal block width 10 mm / 0.394 in	
17 - 19 mm / 0.71 in ❸	

❶ Conductor sizes: 0.5 mm² – 16 mm² "s + f-st"; Push-in conductor sizes: 2.5 mm² – 16 mm² "s" and 2.5 mm² – 10 mm² "insulated ferrule, 18 mm"

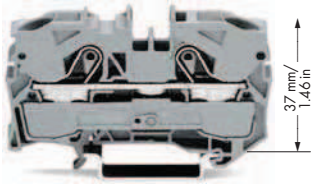
❷ 800 V = rated voltage
8 kV = rated surge voltage
3 = pollution degree
(also see Section 14)

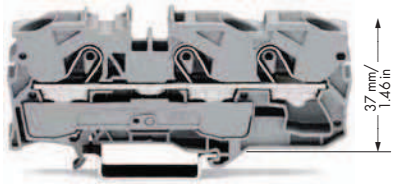
❸ Strip length, see packaging or instructions.

❹ Suitable for Ex i applications

❺ Suitable for Ex e II applications
550 V, 51 A for 2-conductor terminal blocks
550 V, 50 A for 3-conductor terminal blocks
(also see Section 14)

❻ See application notes for:
Ex e/Ex i separator plate, page 52
Step-down jumper, page 67
Star point jumper, page 140
Banana plug, page 198
TOPJOB®S connector, page 136





	Item No.	Pack. Unit
2-conductor through terminal block		
gray Ex	**2010-1201** ❺	25
blue Ex	**2010-1204** ❹ ❺	25
orange Ex	**2010-1202** ❺	25
2-conductor ground terminal block		
green-yellow Ex	**2010-1207** ❺	25

	Item No.	Pack. Unit
3-conductor through terminal block		
gray Ex	**2010-1301** ❺	25
blue Ex	**2010-1304** ❹ ❺	25
orange Ex	**2010-1302** ❺	25
3-conductor ground terminal block		
green-yellow Ex	**2010-1307** ❺	25

Item-Specific Accessories

End and intermediate plate, 1 mm thick



orange	**2010-1292**	100 (4x25)
gray	**2010-1291**	100 (4x25)

Ex e/Ex i separator, orange,

❻



3 mm thick		
120 mm	**209-191**	50 (2x25)

Item-Specific Accessories

End and intermediate plate, 1 mm thick



orange	**2010-1392**	100 (4x25)
gray	**2010-1391**	100 (4x25)



Commoning with step-down jumpers
An end plate must be inserted between the terminal blocks to be jumpered. Step-down jumper 2016-499 commons 16/10 mm² (AWG 16/8) terminal blocks with 10/6/4/2.5 mm² (AWG 8/10/12/14) terminal blocks. Step-down jumpers are simply pushed down for full insertion, similar to other push-in type jumper bars.

2010 Series Accessories

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

Push-in type jumper bar, insulated,



I_N 57 A,		
light gray		
2-way	**2010-402**	50 (2x25)
3-way	**2010-403**	50 (2x25)
4-way	**2010-404**	50 (2x25)
5-way	**2010-405**	50 (2x25)

Push-in type jumper bar, insulated,



I_N 57 A,		
light gray		
from 1 to 3	**2010-433**	50 (2x25)
from 1 to 4	**2010-434**	50 (2x25)
from 1 to 5	**2010-435**	50 (2x25)

Star point jumper, insulated,

❻



I_N = I_N terminal block, light gray		
1-3-5	**2010-405/011-000**	
		50 (2x25)

Step-down jumper, insulated,

❻



I_N 57 A		
light gray	**2016-499**	50 (2x25)

Protective warning marker,



with high-voltage symbol, black,		
for 5 terminal blocks		
yellow	**2010-115**	50 (2x25)

Finger guard,



touchproof cover protects unused		
conductor entries		
yellow	**2010-100**	100 (4x25)

Modular TOPJOB®S connector,

❻



can be snapped together,		
for jumper contact slot		
gray	**2010-511**	50 (2x25)

Test plug adapter,



for test plug 4 mm Ø		
gray	**2009-174**	100 (4x25)

Testing tap,



for max. 2.5 mm²		
gray	**2009-182**	100 (4x25)

Banana plug,

❻



for socket 4 mm Ø,		
color mixed		
	215-111	50

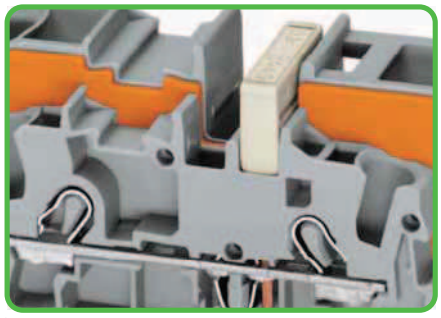
WMB Multi marking system,

10 strips with 10 markers per card,		
stretchable 5 - 5.2 mm		
plain	**793-5501**	5

Marking strip, plain,



11 mm wide,		
50 m roll		
white	**2009-110**	1



Note:
The total current flowing shall not exceed the rating of the step-down jumper/push-in type jumper bar.

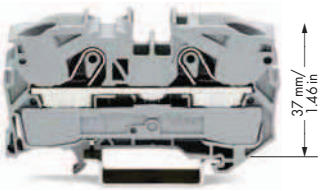
For list of approvals and user guide, see pages 634 to 637.

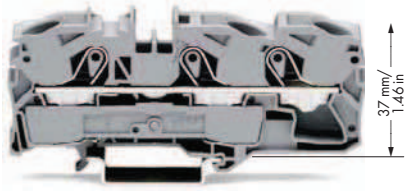
TOPJOB®S
Through/Ground Conductor and Ex Terminal Blocks 16 (25 "f-st") mm²
2016 Series

CAGE CLAMP®S

0.5 - 16 (25"f-st")mm² ❶	AWG 20 - 4
800 V/8 kV/3 ❷	600 V, 85 A
I_N 76 A (90 A)	600 V, 85 A
Terminal block width 12 mm / 0.472 in	
18 - 20 mm / 0.75 in ❸	

0.5 - 16 (25"f-st")mm² ❶	AWG 20 - 4
800 V/8 kV/3 ❷	600 V, 85 A
I_N 76 A (90 A)	600 V, 85 A
Terminal block width 12 mm / 0.472 in	
18 - 20 mm / 0.75 in ❸	





❶ Conductor sizes: 0.5 mm² – 16 mm² "s + f-st", 25 mm² "f-st";
Push-in conductor sizes: 2.5 mm² – 16 mm² "s" and 2.5 mm² – 16 mm² "insulated ferrule, 18 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, 70 A for 2-conductor terminal blocks
550 V, 67 A for 3-conductor terminal blocks
Jumper 65 A
(also see Section 14)

❻ See application notes for:
Ex e/Ex i separator plate, page 52
Step-down jumper, page 67
Star point jumper, page 140
TOPJOB®S connector, page 136

	Item No.	Pack. Unit
2-conductor through terminal block		
gray	**2016-1201** ❺	20
blue	**2016-1204** ❹ ❺	20
orange	**2016-1202** ❺	20
2-conductor ground terminal block, 15mm-high DIN 35 rails shall be used for a current load higher than 76A!		
green-yellow	**2016-1207** ❺	20

	Item No.	Pack. Unit
3-conductor through terminal block		
gray	**2016-1301** ❺	20
blue	**2016-1304** ❹ ❺	20
orange	**2016-1302** ❺	20
3-conductor ground terminal block, 15mm-high DIN 35 rails shall be used for a current load higher than 76A!		
green-yellow	**2016-1307** ❺	20

Item-Specific Accessories

End and intermediate plate, 1 mm thick			
	orange	**2016-1292**	100 (4x25)
	gray	**2016-1291**	100 (4x25)
Ex e/Ex i separator, orange, ❻			
	3 mm thick		
	120 mm	**209-191**	50 (2x25)

Item-Specific Accessories

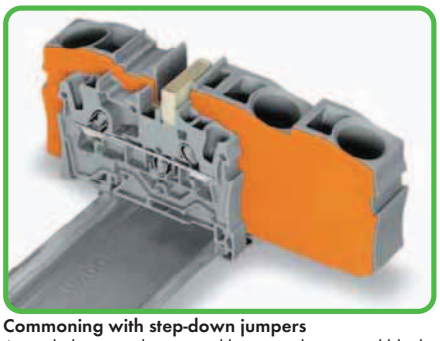
End and intermediate plate, 1 mm thick			
	orange	**2016-1392**	100 (4x25)
	gray	**2016-1391**	100 (4x25)

2016 Series Accessories

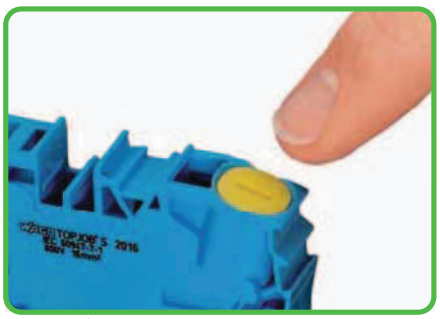
Appropriate marking systems: WMB/Marking strips (see Section 13)

Push-in type jumper bar, insulated,			
	I_N 76 A,		
	light gray		
	2-way	**2016-402**	50 (2x25)
	3-way	**2016-403**	50 (2x25)
	4-way	**2016-404**	50 (2x25)
	5-way	**2016-405**	50 (2x25)
Push-in type jumper bar, insulated,			
	I_N 76 A,		
	light gray		
	from 1 to 3	**2016-433**	50 (2x25)
	from 1 to 4	**2016-434**	50 (2x25)
	from 1 to 5	**2016-435**	50 (2x25)
Star point jumper, insulated, ❻			
	I_N = I_N terminal block, light gray		
	1-3-5	**2016-405/011-000**	50 (2x25)
Step-down jumper, insulated, ❻			
	I_N 57 A		
	light gray	**2016-499**	50 (2x25)

Protective warning marker,			
	with high-voltage symbol, black,		
	for 5 terminal blocks		
	yellow	**2016-115**	50 (2x25)
Modular TOPJOB®S connector, ❻			
	can be snapped together,		
	for jumper contact slot		
	gray	**2016-511**	50 (2x25)
Finger guard,			
	touchproof cover protects unused		
	conductor entries		
	yellow	**2016-100**	100 (4x25)
Test plug adapter,			
	for test plug 4 mm Ø		
	gray	**2009-174**	100 (4x25)
Testing tap,			
	for max. 2.5 mm²		
	gray	**2009-182**	100 (4x25)
WMB Multi marking system,			
	10 strips with 10 markers per card,		
	stretchable 5 - 5.2 mm		
	plain	**793-5501**	5



Commoning with step-down jumpers
An end plate must be inserted between the terminal blocks to be jumpered. Step-down jumper 2016-499 commons 16/10 mm² (AWG 16/8) terminal blocks with 10/6/4/2.5 mm² (AWG 8/10/12/14) terminal blocks. Step-down jumpers are simply pushed down for full insertion, similar to other push-in type jumper bars.



Inserting a finger guard seals unused conductor entries.

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