

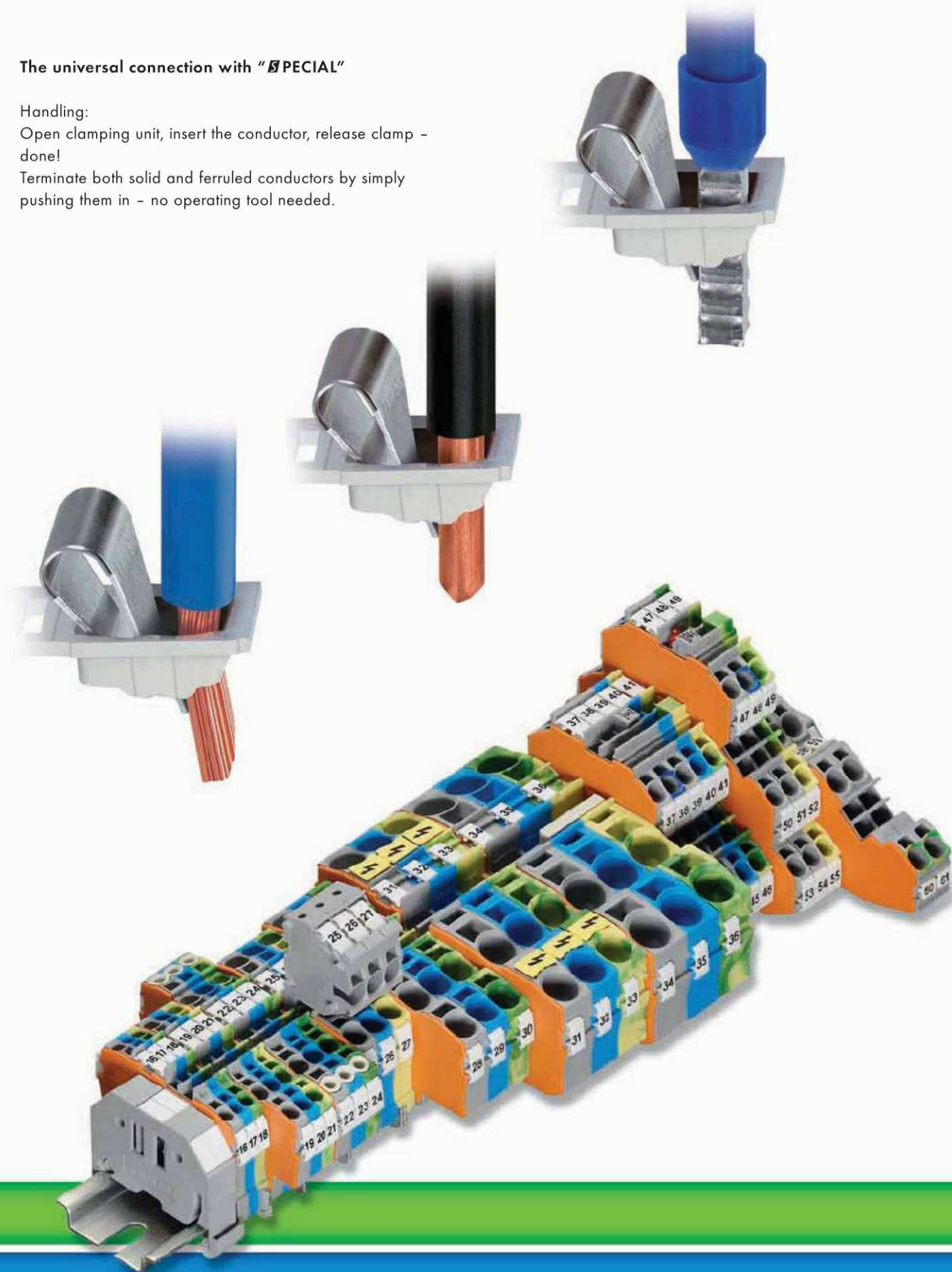
CAGE CLAMP[®]S

The universal connection with "SPECIAL"

Handling:

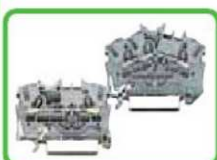
Open clamping unit, insert the conductor, release clamp – done!

Terminate both solid and ferruled conductors by simply pushing them in – no operating tool needed.



Rail-Mounted Terminal Blocks, Multilevel Terminal Blocks and Function Terminal Blocks, Front-Entry

1



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

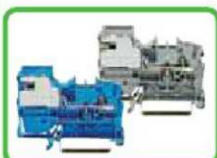
86

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

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

50

Simply push-in



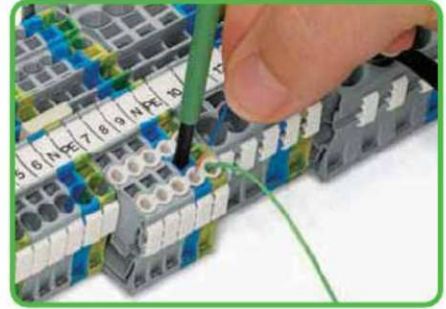
Directly insert solid and ferruled conductors.

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

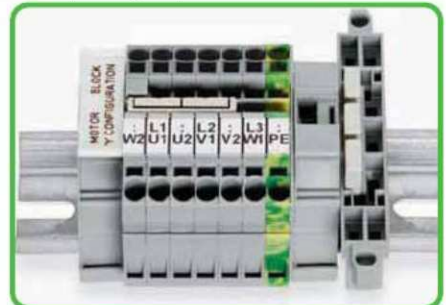


Commoning with step-down jumpers



Commoning with step-down jumpers.

Star point jumpers



Star point jumpers designed for "Y" configuration

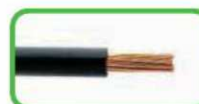


CAGE CLAMP®S clamps the following copper conductors:*

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



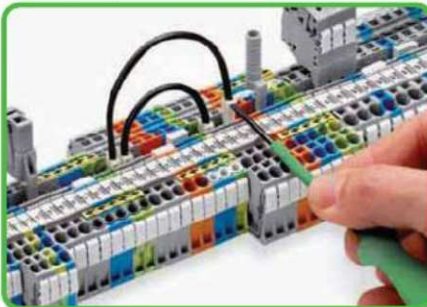
The test plug adapter for 4 mm Ø plugs is suited for 2001 to 2016 Series terminal blocks.

Simply marked



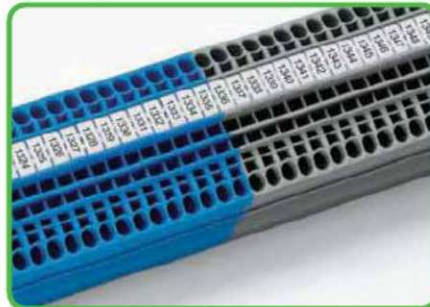
Marker strips for center marking

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,
(gastight crimped)



fine-stranded,
with pin terminal
(gastight crimped)

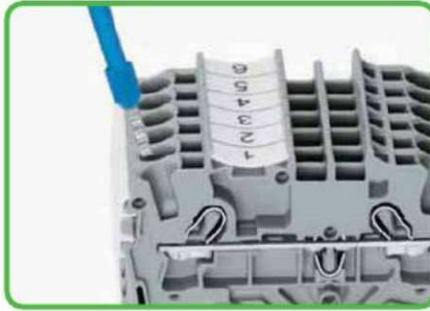
- Simply Push-In - Conductor Termination/Removal Handling Ex e/Ex i Separators



Tool-Free Terminations

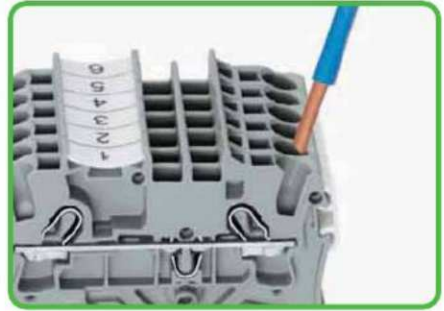
Stripped solid, ferruled or ultrasonically "bonded" conductors are easily terminated by simply pushing them into a contact.

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.

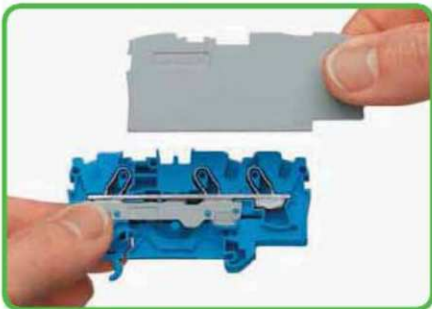
The smart feature:

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

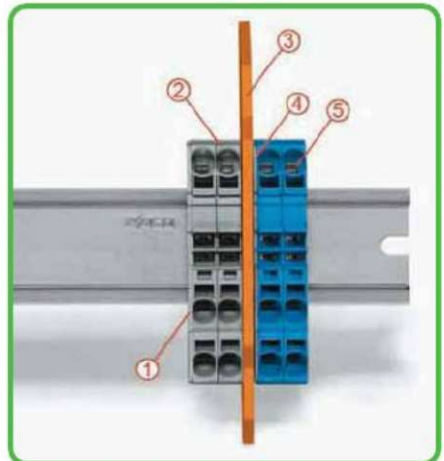
An end plate must be applied to the terminal block located directly behind an Ex e/Ex i separator plate.



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

1

53

1



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:

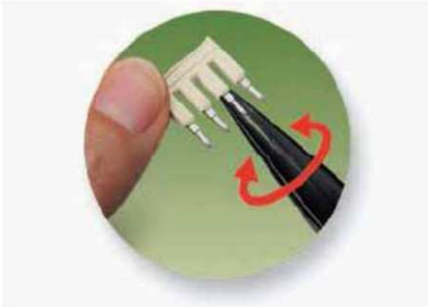
Jumper slots can also be used for:

- 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 



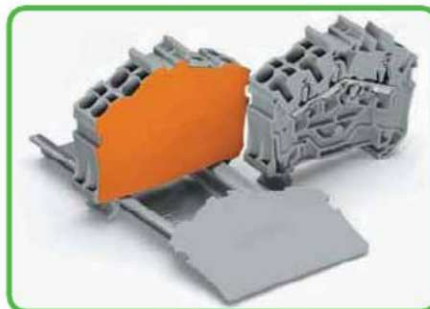
Push-in type jumper bar 1 2 – 4

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.