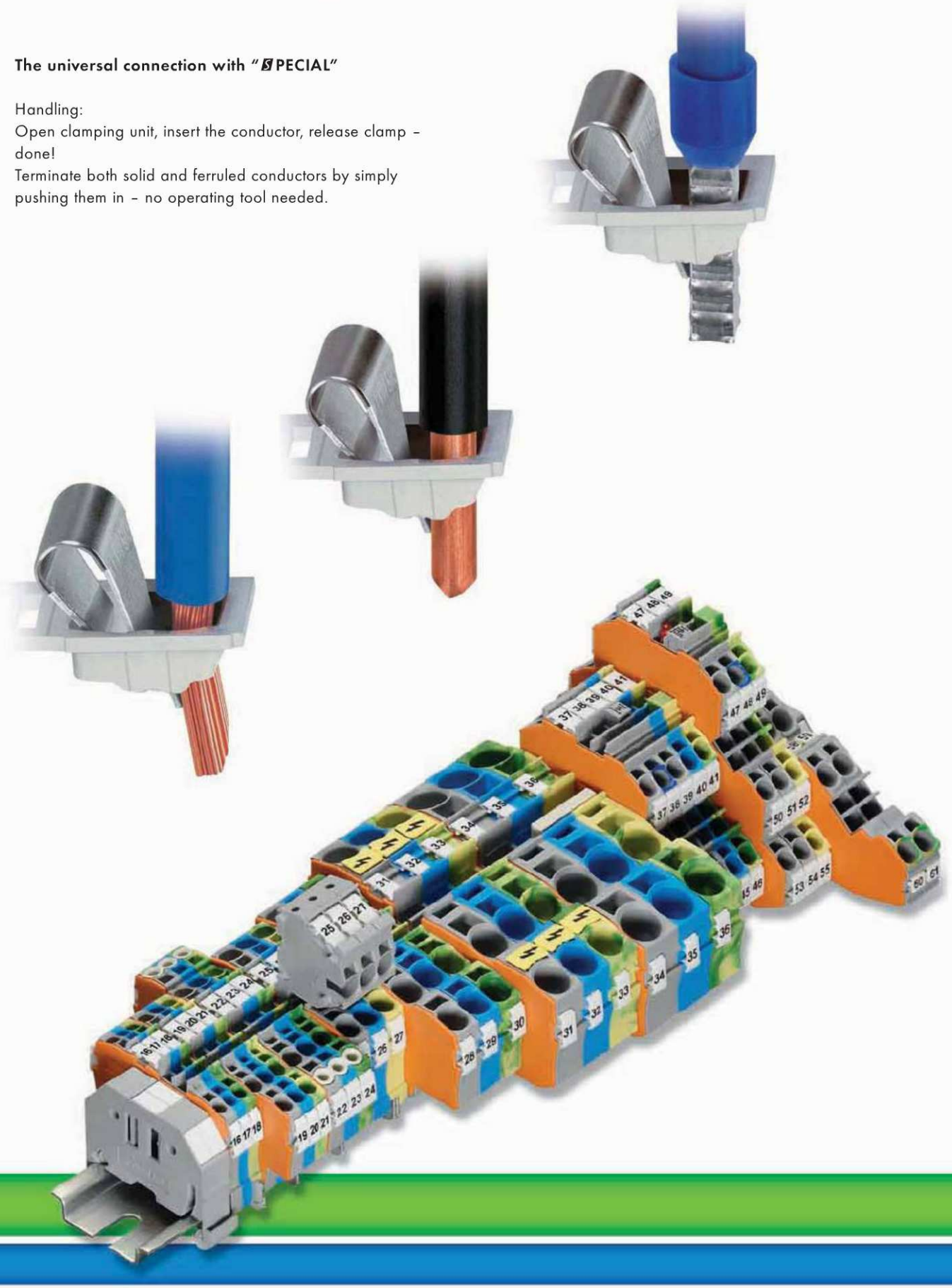
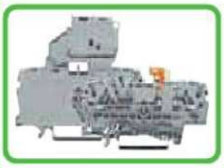
CAGE CLAMP®S

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.





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

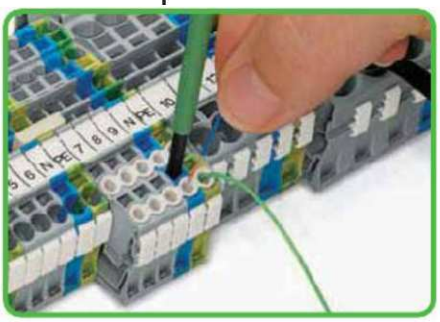
Simply push-in

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.

Customizable push-in type jumper bars

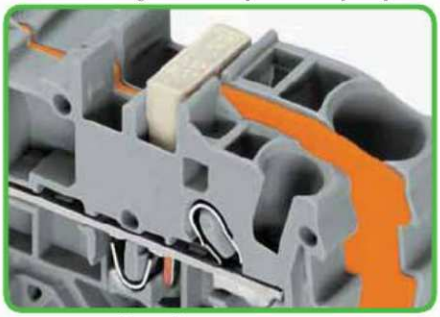
Breaking off jumper contacts (up to 4 mm²/AWG 12)

CAGE CLAMP®S for all conductor types

Customizable push-in type jumper bars

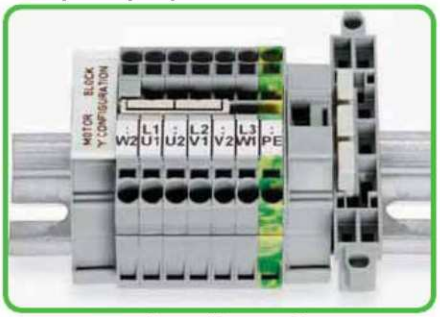
Marking with a felt-tip pen.

Commoning with step-down jumpers



Commoning with step-down jumpers.

Star point jumpers

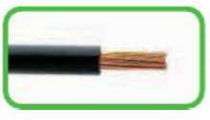


Star point jumpers designed for 'Y' configuration

CAGE CLAMP®S clamps the following copper conductors:*

solid

stranded



fine-stranded, also with tinned single strands

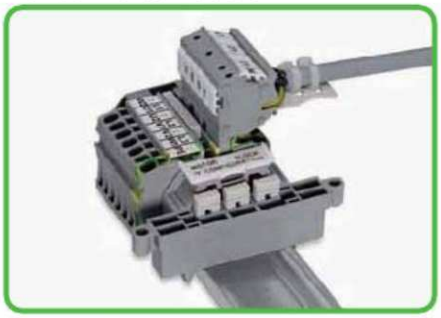
* For aluminum conductors, see notes in Section 14.

– Description and Handling –

Simply smaller

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

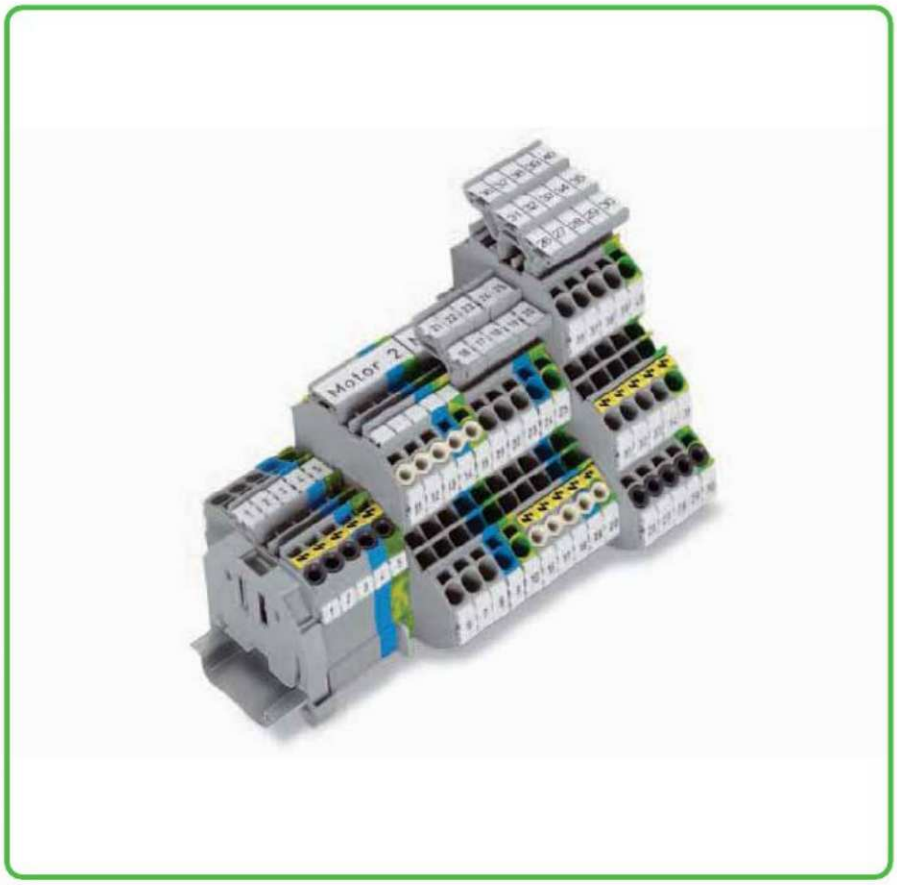
TOPJOB®S connectors



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

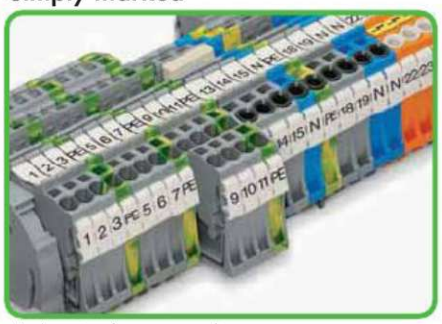
Testing tap suited for 2001 to 2016 Series terminal blocks. Tool-free connections for individual test wires up to 2.5 mm²/AWG 12.



Test plug adapter

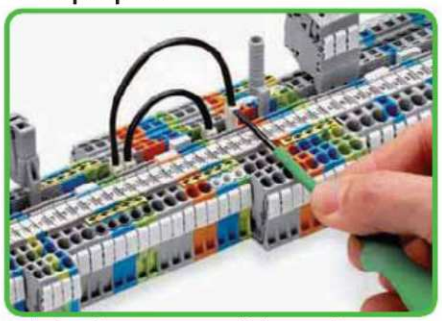
The test plug adapter for 4 mm Ø plugs is suited for 2001 to 2016 Series terminal blocks.

Simply marked



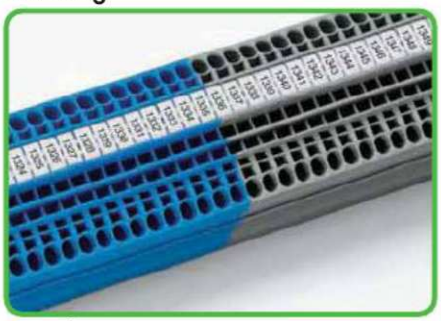
Marker strips for center marking

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

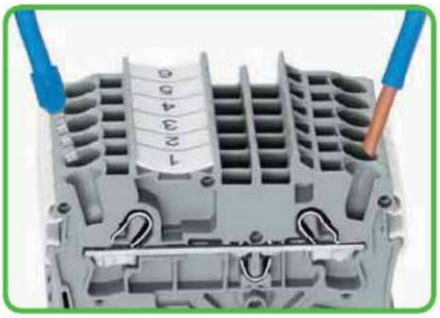
TOPJOB®S group marker carrier, snap-on type for jumper slot

fine-stranded,
tip-bonded

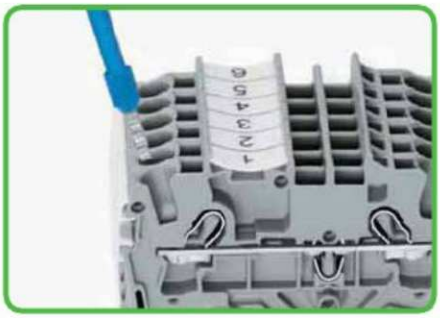
fine-stranded,
with ferrule,
(gastight crimped)

fine-stranded,
with pin terminal
(gastight crimped)

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

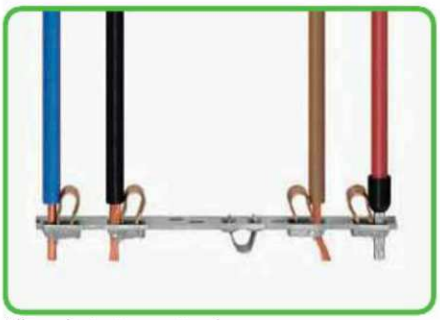


Tool-Free Terminations
Stripped solid, ferruled or ultrasonically "bonded" conductors are easily terminated by simply pushing them into a contact.
This advantage significantly reduces costs for conductors rated 0.5 mm² to 16 mm² (AWG 20-4) in applications such as electrical installations or factory wiring.



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.

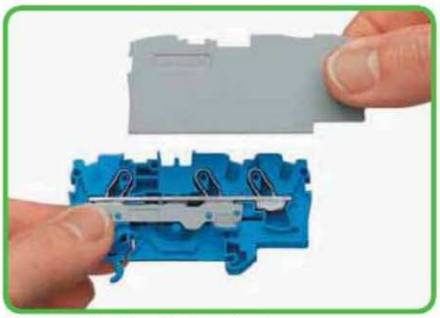
Conductor termination – Push-in connection
Solid conductors with cross sections from either one size above, or up to two sizes below, the rated cross section can be inserted directly – without tools.



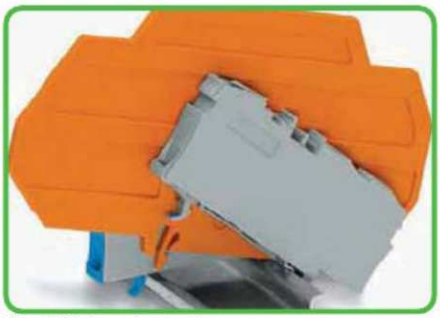
All conductor types at a glance

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.

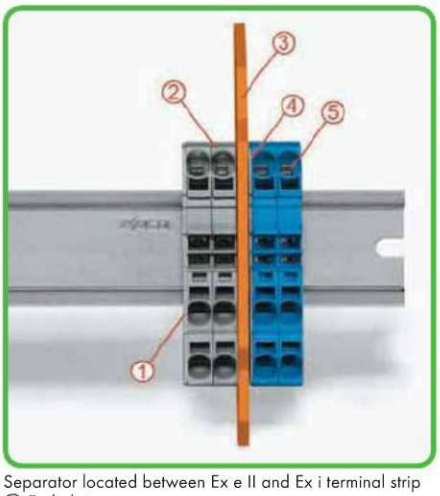
Conductor removal
Like the original CAGE CLAMP® an operating tool is used for conductor removal with CAGE CLAMP®S.



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.

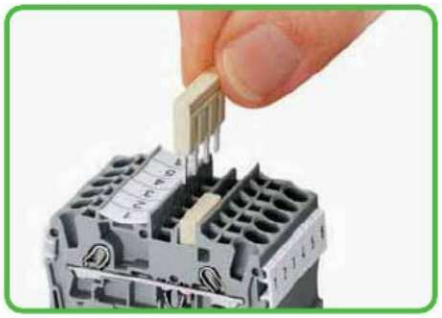


Ex e II/Ex i terminal strip
Notice:
The movable feet of terminal blocks and separator plates must face the same direction.

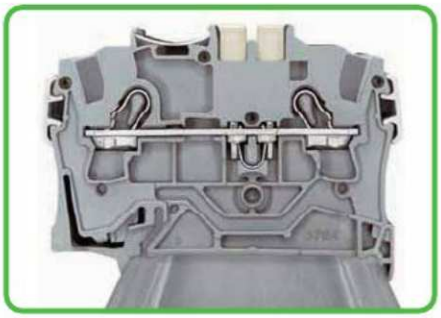


Separator located between Ex e II and Ex i terminal strip
① End plate
② Ex e II terminal blocks
③ Ex e/Ex i separator plate
④ End plate
⑤ Ex i terminal blocks

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

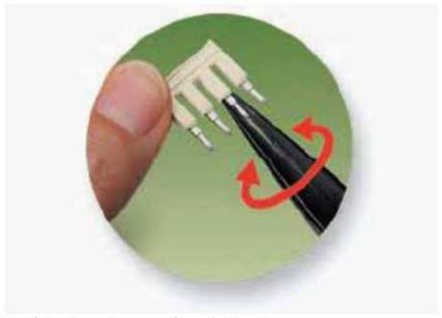


The push-in type jumper system is based on the common plug and socket principle. Each terminal block is spring-loaded with a double socket and a resilient CrNi steel spring. Therefore the jumpers, which consist of cathode copper, can be produced with particularly small dimensions. This does not impair 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).



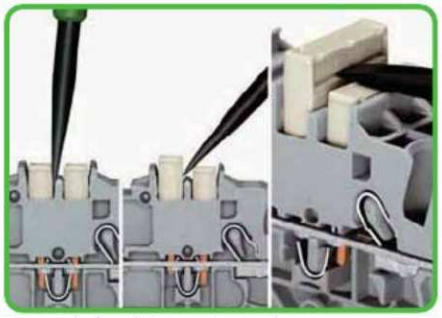
The smart feature:
Jumper slots can also be used for:
- push-in type jumper bars and step-down jumpers
- test plug adapters and testing taps
- preharnessed plugs for subassembly connections.

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

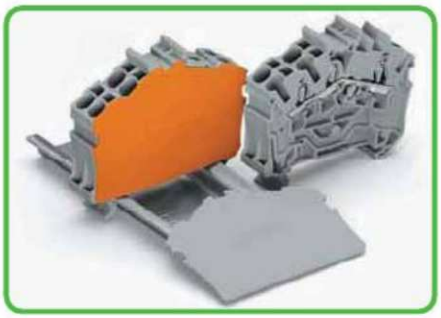


Push-in type jumper bar 1 2 – 4
Breaking off jumper contacts
500 V
300 V

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.