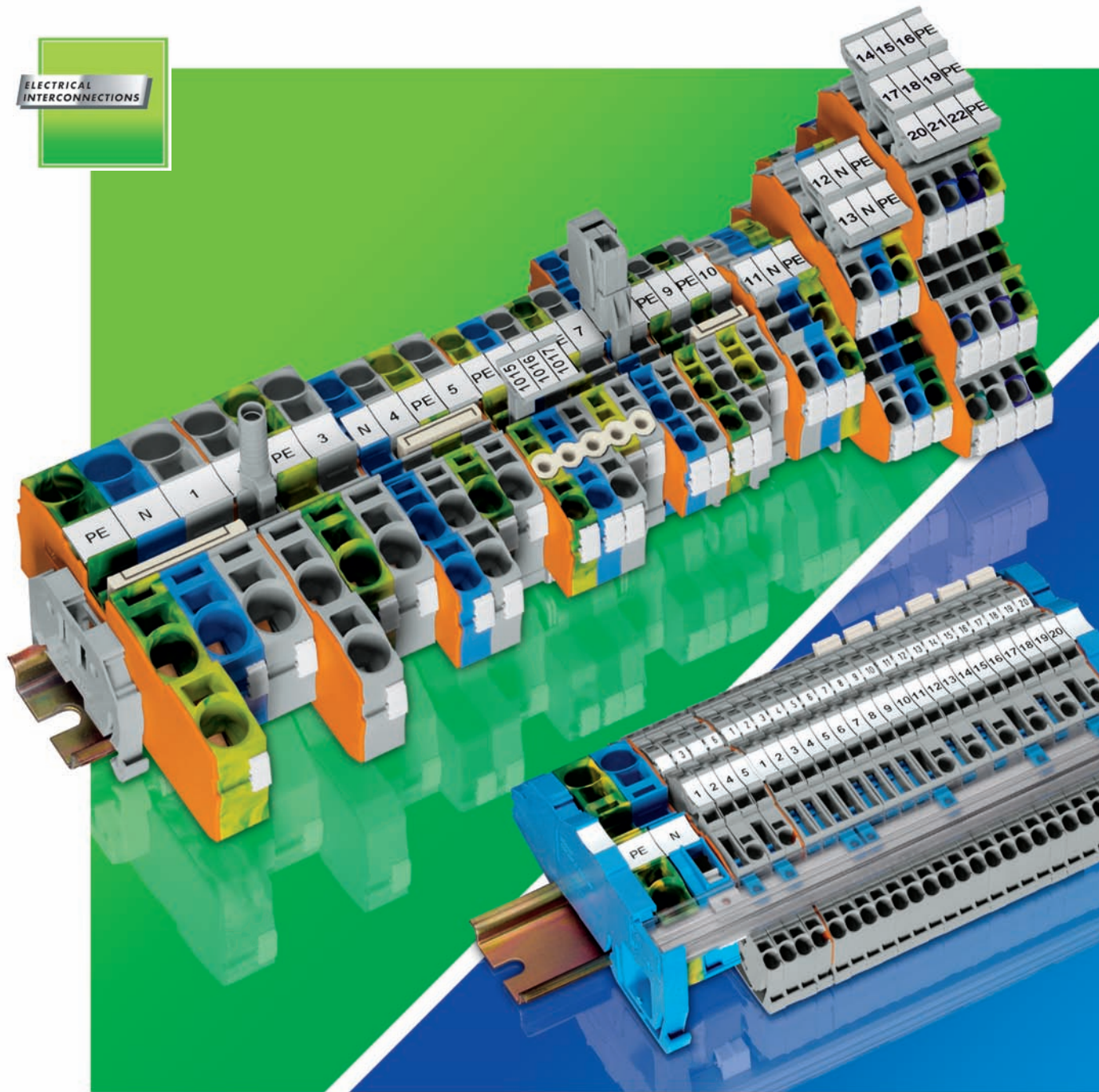


ELECTRICAL
INTERCONNECTIONS



[TOPJOB[®]S]

- **The range of rail-mounted terminal blocks for a perfect electrical installation.**

WAGO[®]
INNOVATIVE CONNECTIONS

HVS
PRECONISATEUR DE SOLUTIONS DEPUIS 1986

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Site web : www.hvssystem.com



[TOPJOB[®]S]



The range of rail-mounted terminal blocks for a perfect electrical installation.

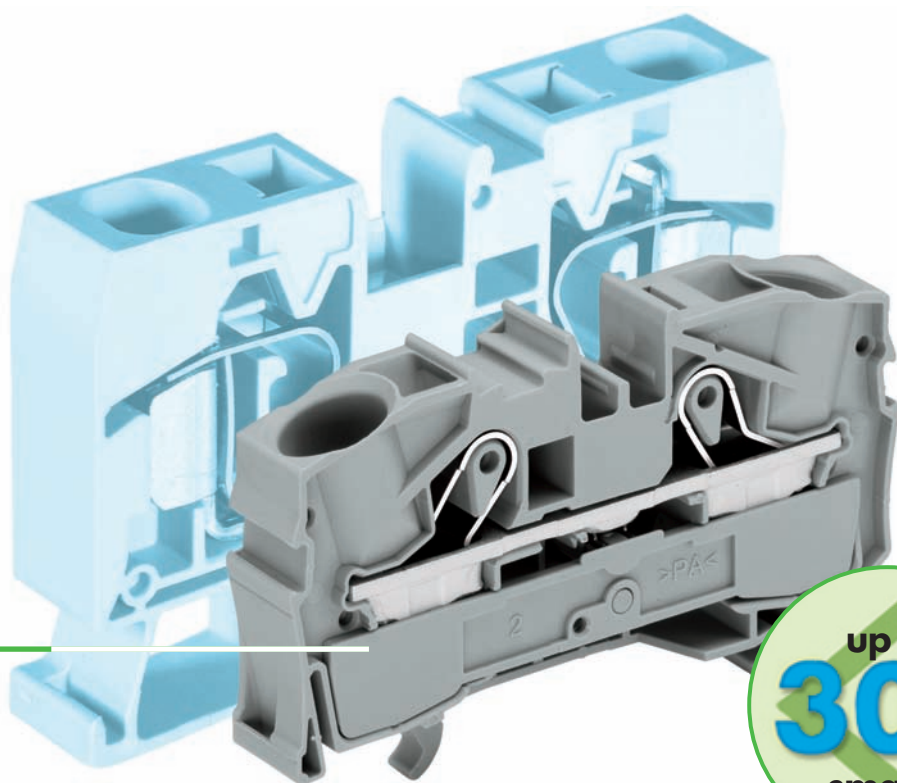
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[Simply smaller]

• The new standard for rail-mounted terminal blocks



up to
30%
smaller

• TOPJOB®S DIN 35 rail-mounted terminal blocks with CAGE CLAMP®S technology are the smallest on the market resulting in a space saving of up to 30%.

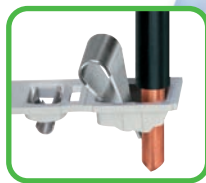
The reduction of panel space, smaller enclosures and junction boxes are just some of the cost savings that can be realized.

Simply push-in

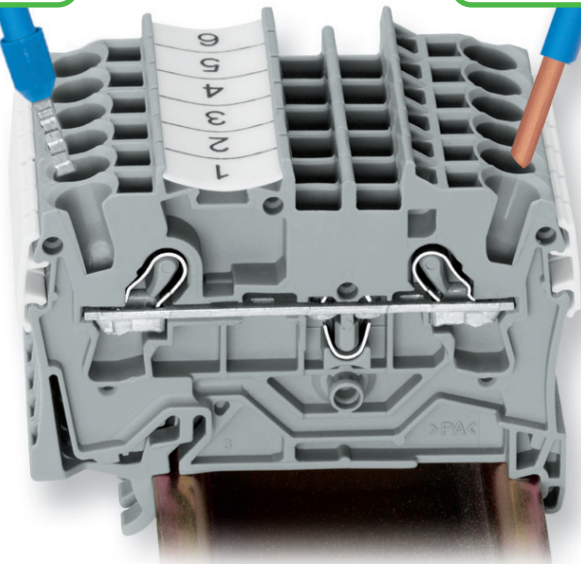
for solid conductors or fine-stranded conductors with ferrules



ferruled wires



solid wires



Stripped solid conductors, stranded conductors with ferrules, or ultrasonically "bonded" conductors are easily connected by simply pushing the wire into the wire entry.

For conductors rated 0.5 mm² (AWG 20) to 16 mm² (AWG 6) – **this is a significant time and cost saving!**

Wire connection – Push-in connection

Solid wires ranging from at least two sizes below to one size above the rated cross section can be pushed in directly without tools.

Stranded conductors with ferrules ranging from at least two sizes below the rated cross section up to the rated cross section can also be easily inserted without using any tools.

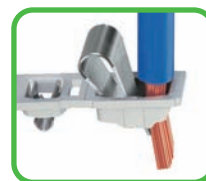
Wire connection using a screwdriver

Connecting stranded conductors without ferrules or small cross-sectional conductors that cannot be pushed in, is done similar to the original CAGE CLAMP®, using a screwdriver.

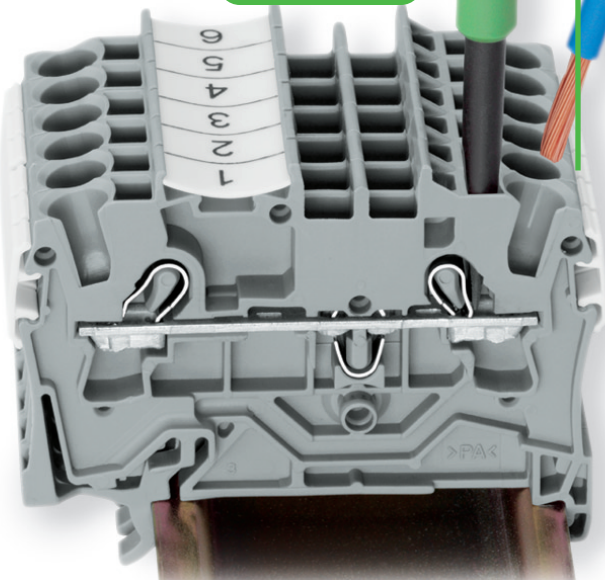
The smart feature

To open the clamp, the screwdriver is inserted from the vertical and the conductor entry is less than 15 degrees resulting in easier wiring.

stranded wires



15°



Wire removal

The conductor is removed using a screwdriver, like the original CAGE CLAMP®.

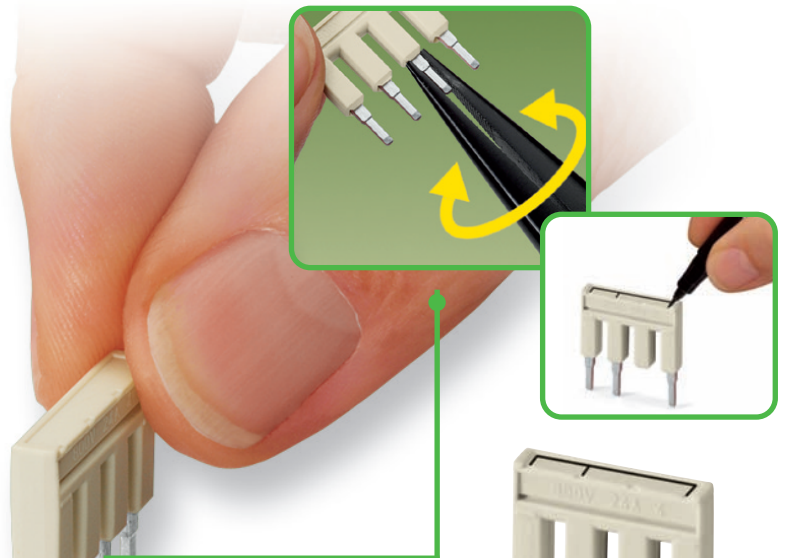
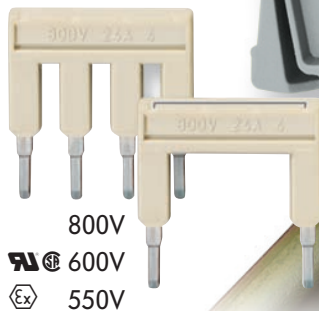
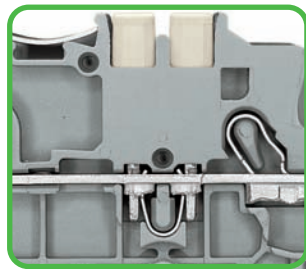
Simply jumpered

The comb-style 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. The jumper contact is pure electrolytic copper, which allows for an extremely small design capable of carrying the full-rated current of the terminal block. Ground (earth) terminal blocks can also be commoned using the same jumper system. Alternate or staggered jumpers for terminal blocks up to 4 mm² (AWG 10) can be made in the field by simply breaking and removing jumper contacts.

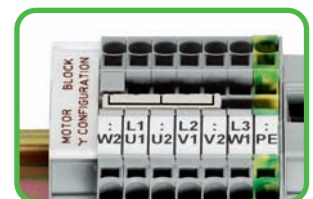
The smart feature

Jumper slots can also be used for :

- push-in type jumper bars and step-down jumpers
- test plug adapters and testing taps or
- preharnessed plugs for connection of subassemblies



Star point jumper



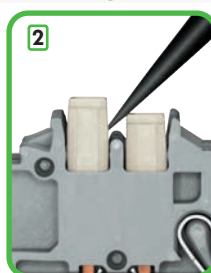
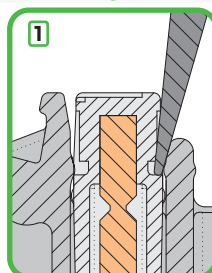
This jumper has been specially developed to create a "star point" and is used on motor terminal boards equipped with TOPJOB®S rail-mounted terminal blocks.

The star point jumper is available for the Series 2002, 2004, 2006, 2010 and 2016. Item no. upon request.

Removal of jumper

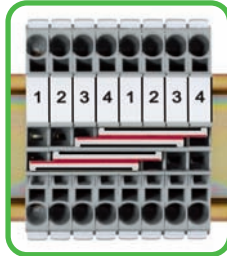
Insert the screwdriver blade between the jumper and the partition wall of the dual jumper slots and lift up the jumper.

Using jumpers with maximum 5 contacts, place the screwdriver in the center of the jumper (see ill. 3). For more than 5-way jumpers, place the screwdriver alternating at both ends of the jumper.

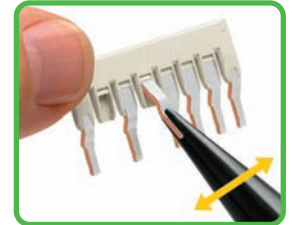
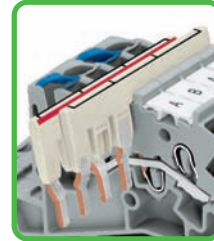


Simply commoned with staggered jumpers

The special design of the TOPJOB®S staggered jumpers allows two jumpers to be used in each jumper slot of the 2002 Series TOPJOB®S rail-mounted terminal blocks and 2003 Series multilevel installation terminal blocks. This means that four different potentials can be commoned simultaneously using rail-mounted terminal blocks with dual jumper slots.



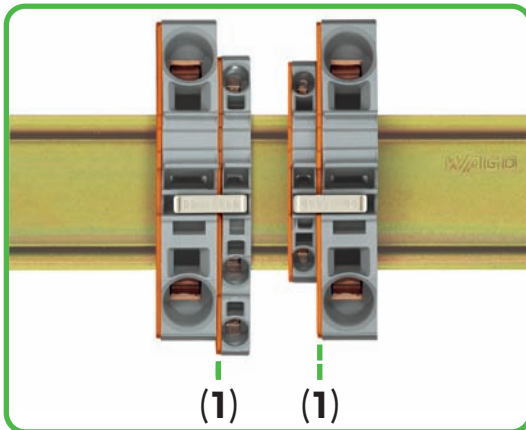
Insert the staggered jumpers so that the red lines of both jumpers are facing each other.



Custom staggered jumpers are created by breaking off individual jumper contacts. Make sure that only one contact lug is in contact with the terminal block. See also page 28.

Simply jumpered

with step-down jumpers



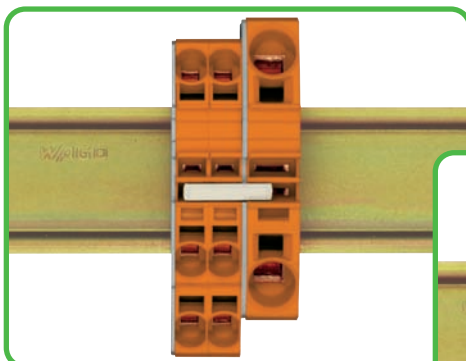
An end plate (1) must always be applied between the terminal blocks to be **commoned with step-down jumpers**.

Note

The total current flowing cannot exceed the rating of the step-down jumper or push-in type jumper bar.

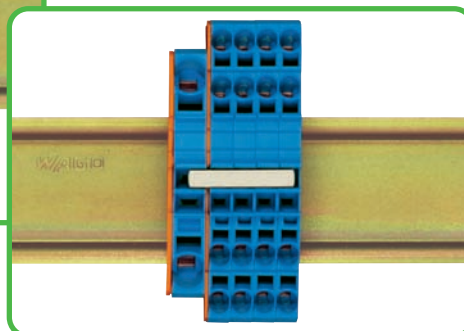
The step-down jumper 2016-499 is suitable for commoning 16 / 10 mm² (AWG 4 / 6) terminal blocks with 10 / 6 / 4 / 2.5 mm² (AWG 6 / 8 / 10 / 12) terminal blocks. The step-down jumper 2006-499 is suitable for commoning 6 / 4 mm² (AWG 8 / 10) terminal blocks with 4 / 2.5 / 1.5 mm² (AWG 10 / 12 / 14) terminal blocks.

with push-in type jumper bars



When commoning on the open side of the block using an end plate, terminal blocks 16 mm² (AWG 4) and 10 mm² (AWG 6) can be commoned with terminal blocks rated two sizes below the rated cross section and terminal blocks 6 (AWG 8) / 4 (AWG 10) and 2.5 mm² (AWG 12) can be commoned with terminal blocks rated one size below the rated cross section.

For example, terminal blocks 16 mm² (AWG 4) can be commoned with terminal blocks 6 mm² (AWG 8) (see ill.) or terminal blocks 10 mm² (AWG 6) with terminal blocks 4 mm² (AWG 10).



When commoning on the back side of the block using an end plate, terminal blocks can be commoned with terminal blocks rated two sizes below the rated cross section. For example, 16 mm² (AWG 4) terminal blocks can be commoned with terminal blocks 6 mm² (AWG 8) or terminal blocks 6 mm² (AWG 8) with terminal blocks 2.5 mm² (AWG 12) (see ill.).

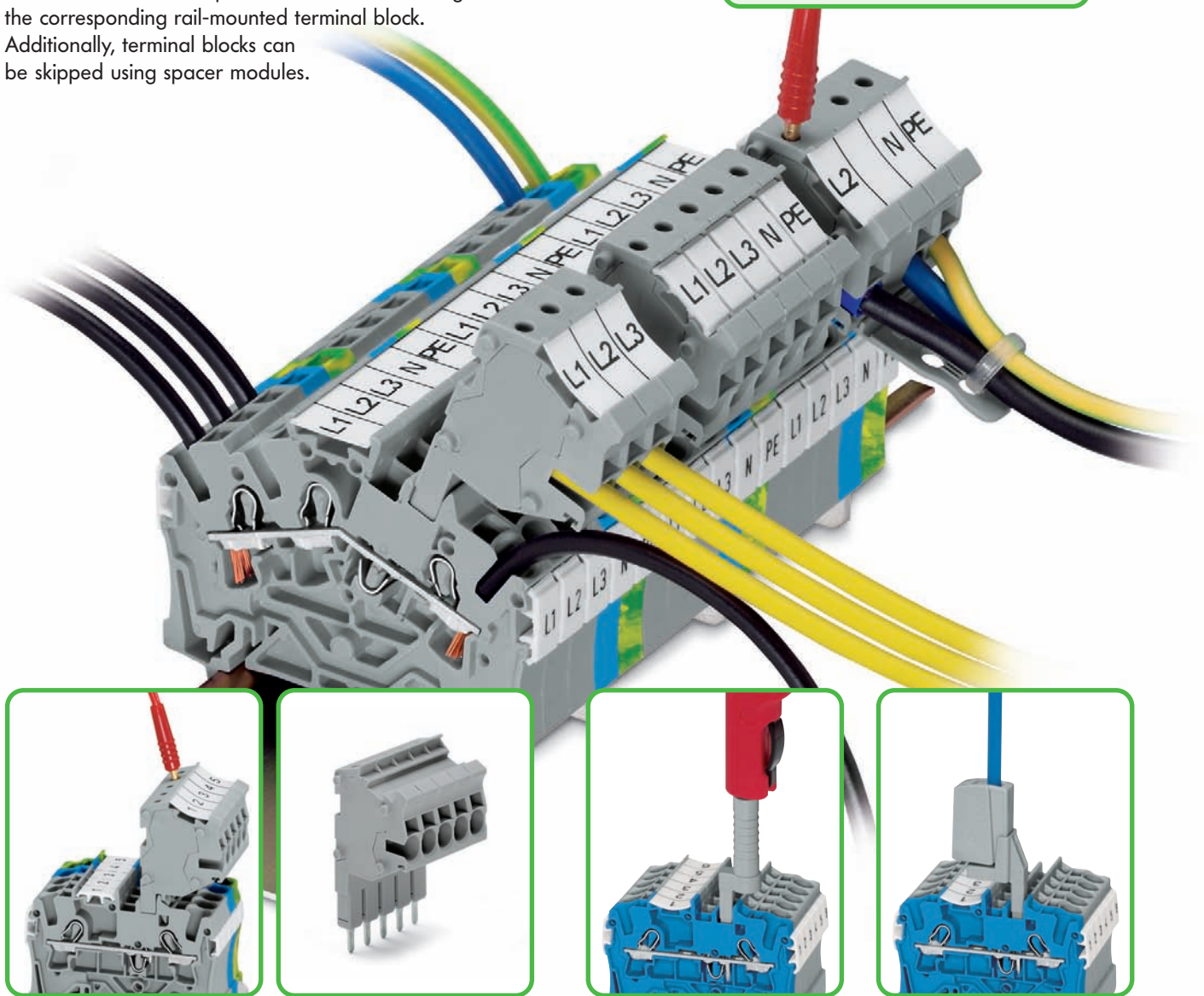
Simply tested

with jumper slot for connectors

Modular TOPJOB® S connectors

The spring-loaded jumper system of the TOPJOB® S rail-mounted terminal blocks is suited for testing accessories like test plug adapters and testing taps as well as modular TOPJOB® S connectors. Modular connectors with CAGE CLAMP® S technology offer an additional connection option for conductors having the same size as the corresponding rail-mounted terminal block. Additionally, terminal blocks can be skipped using spacer modules.

Note: Disconnected connectors should not be live. Furthermore, connectors used according to the regulations should not be connected or disconnected under load.



Modular connectors and connector strips

The modular connectors for the Series 2001, 2002 and 2004 are equipped with a \varnothing 2 mm/0.079 in or \varnothing 2.3 mm/0.091 in test socket. Additionally, 2 to 10-pole connector strips for the Series 2001 and 2002 as well as 2 to 5-pole connector strips for the Series 2004 are available.

Testing tap

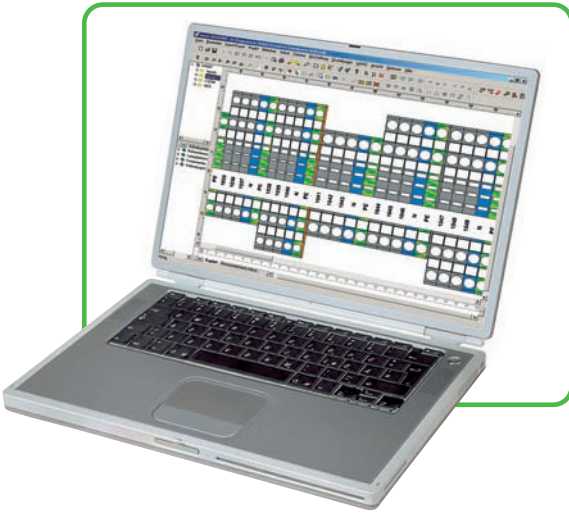
Testing tap suited for Series 2001 to 2016. Individual test wires up to 2.5 mm² (AWG 12) can be connected without using any tools.

Connectors

Connectors for Series 2001, 2002 and 2004 are equipped with a \varnothing 2 mm/0.079 in or \varnothing 2.3 mm/0.091 in test socket.

Simply marked

- Finding the appropriate marking easily and quickly using WMB markers or continuous marker strips

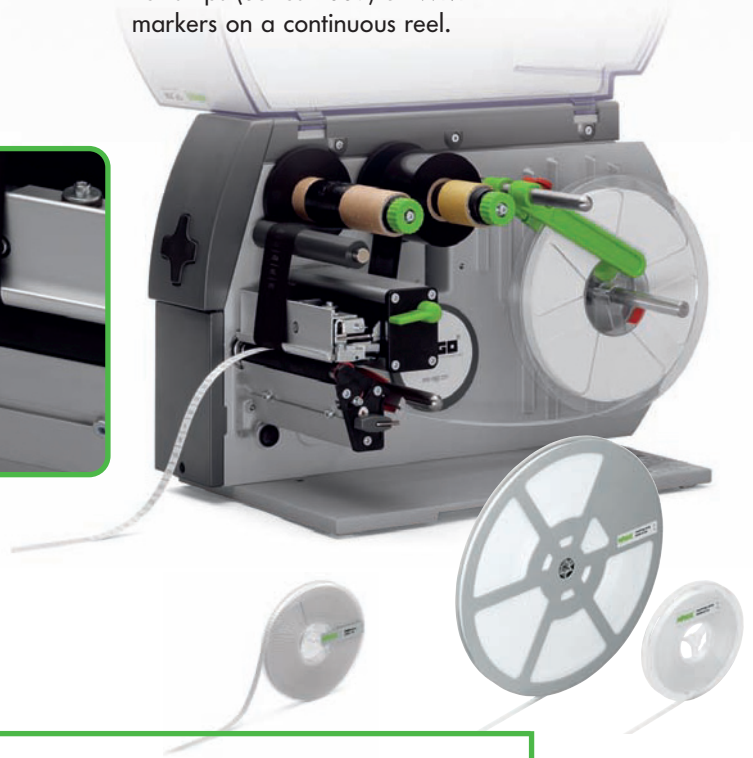
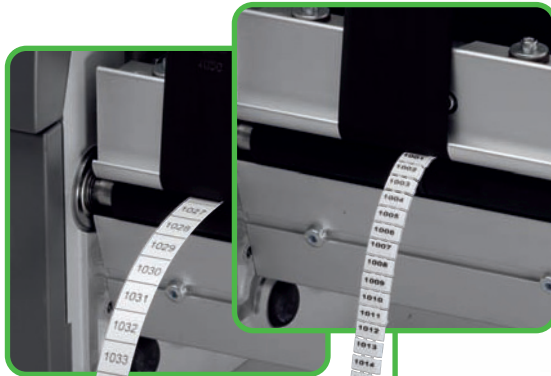


Designing ...

Custom rail assemblies and markings can be designed easily using the WAGO ProServe 4.1 software.

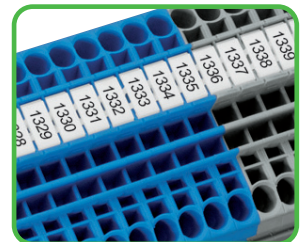
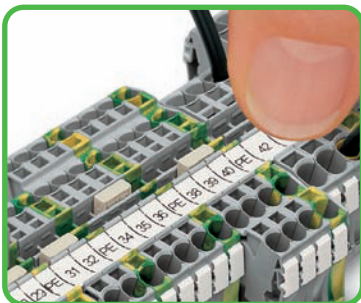
Printing ...

A thermal transfer printer is used to print marker strips (Series 2009) or WMB markers on a continuous reel.



Snapping ...

The marker strip is snapped into the center marker receptacle profile.



Combining marker strips and individual WMB markers.

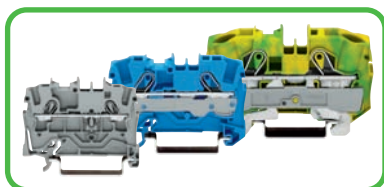
Alternatively, miniature WSB markers can be printed using a plotter.

Three receptacles are available for WMB markers on continuous reel.

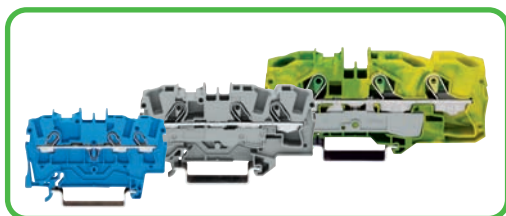
TOPJOB[®]S



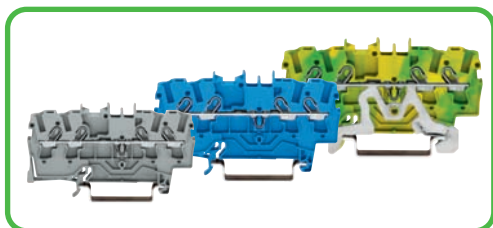
3- and 4-conductor terminal blocks
2.5 mm² (AWG 12)



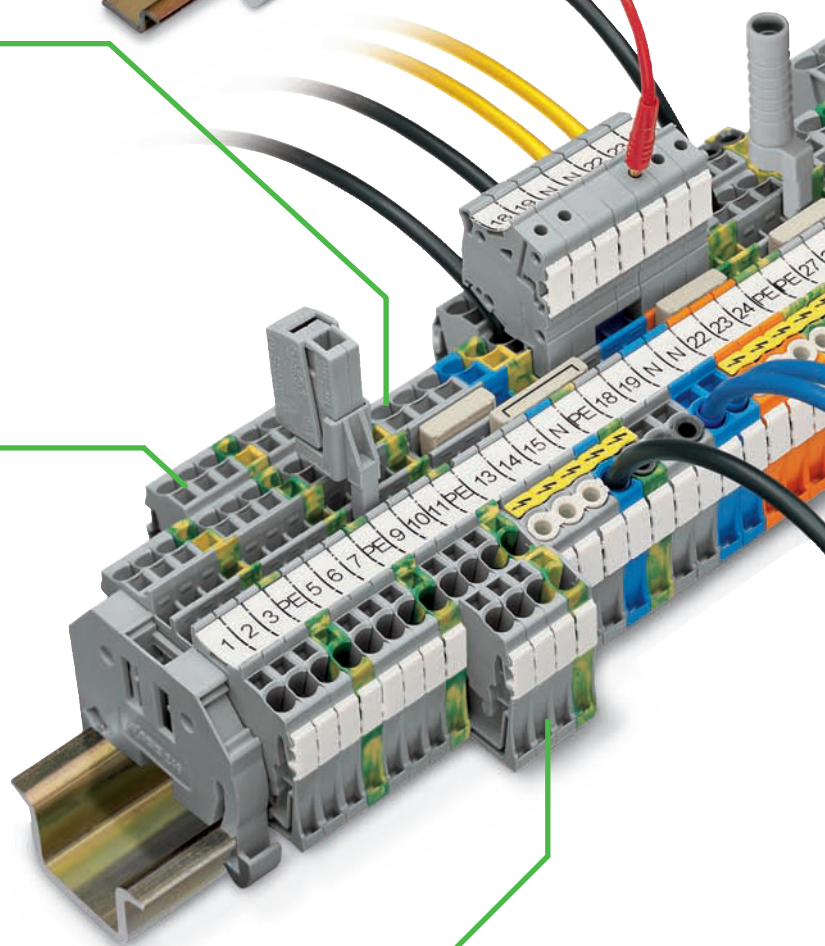
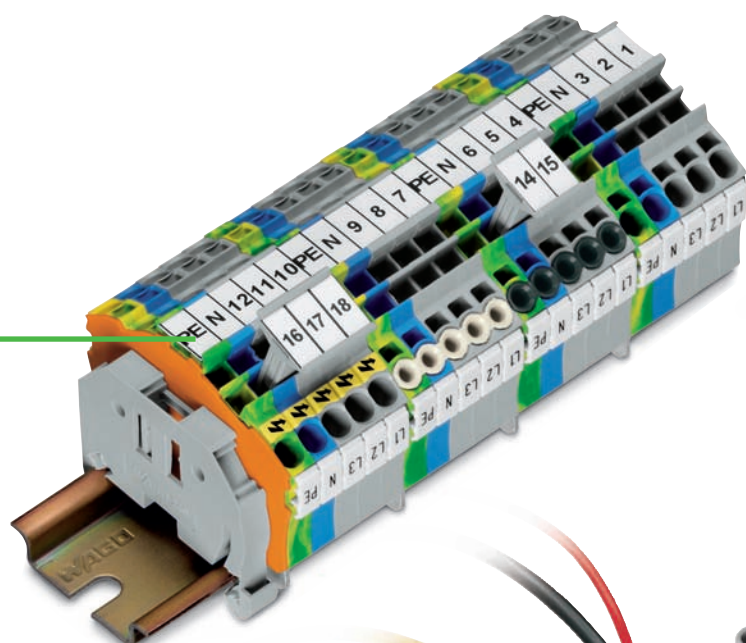
2-conductor terminal blocks
1.5 mm² (AWG 14); 2.5 mm² (AWG 12);
4 mm² (AWG 10); 6 mm² (AWG 8);
10 mm² (AWG 6); 16 mm² (AWG 4)



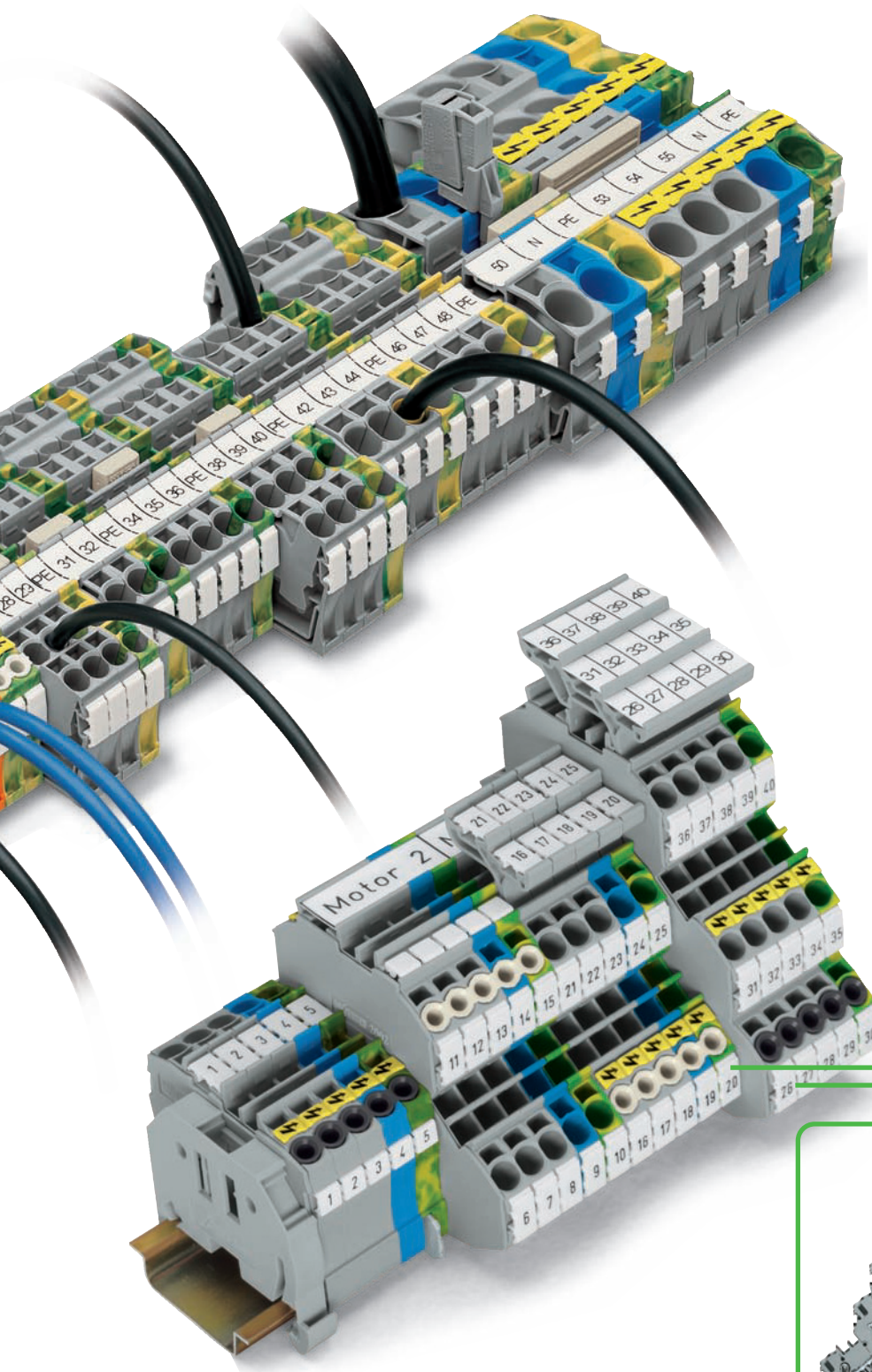
3-conductor terminal blocks
1.5 mm² (AWG 14); 2.5 mm² (AWG 12);
4 mm² (AWG 10); 6 mm² (AWG 8);
10 mm² (AWG 6); 16 mm² (AWG 4)



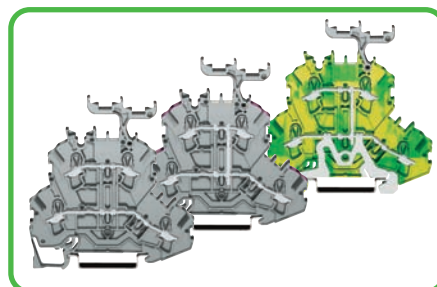
4-conductor terminal blocks
1.5 mm² (AWG 14);
2.5 mm² (AWG 12);
4 mm² (AWG 10)



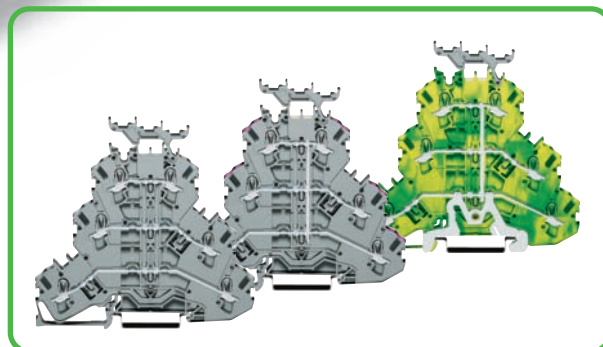
| Series | 2001 | 2002 | 2004 | 2006 | 2010 | 2016 |
|---------------------|-------------------------------|-------------------------------|-----------------------------|----------------------------|-----------------------------|-----------------------------|
| Rated cross section | 1.5 mm ² AWG 14 | 2.5 mm ² AWG 12 | 4 mm ² AWG 10 | 6 mm ² AWG 8 | 10 mm ² AWG 6 | 16 mm ² AWG 4 |



Environmentally friendly:
 TOPJOB®S terminal blocks are **100 % lead-free!**



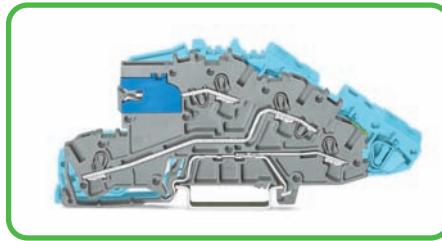
Double deck terminal blocks



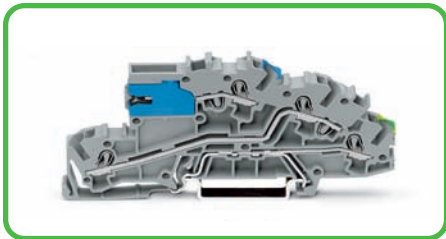
Triple deck terminal blocks

| | |
|---------------------|-------------------------------|
| Series | 2002 |
| Rated cross section | 2.5 mm ² AWG 12 |

TOPJOB®S



Very compact dimensions provide maximum wiring space in standard distribution boxes. The 2003 Series multilevel installation terminal blocks are the smallest terminal blocks with direct insertion wire connection on the market providing the full functionality of a 4 mm² terminal block.



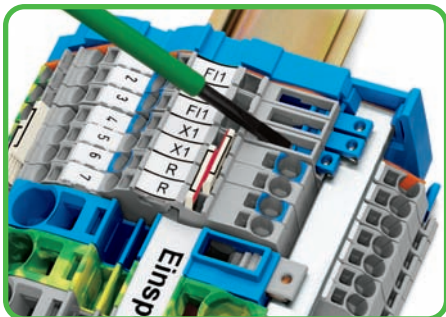
Push-in type jumper bars with breakable contact lugs offer the same benefits to the TOPJOB®S installation terminal blocks as to the rail-mounted terminal blocks (e.g. individual jumper configuration on site, skipping of potentials, etc.).



Screwless N-disconnect slide link for automatic and safe connection onto the N-busbar by simply sliding the link.

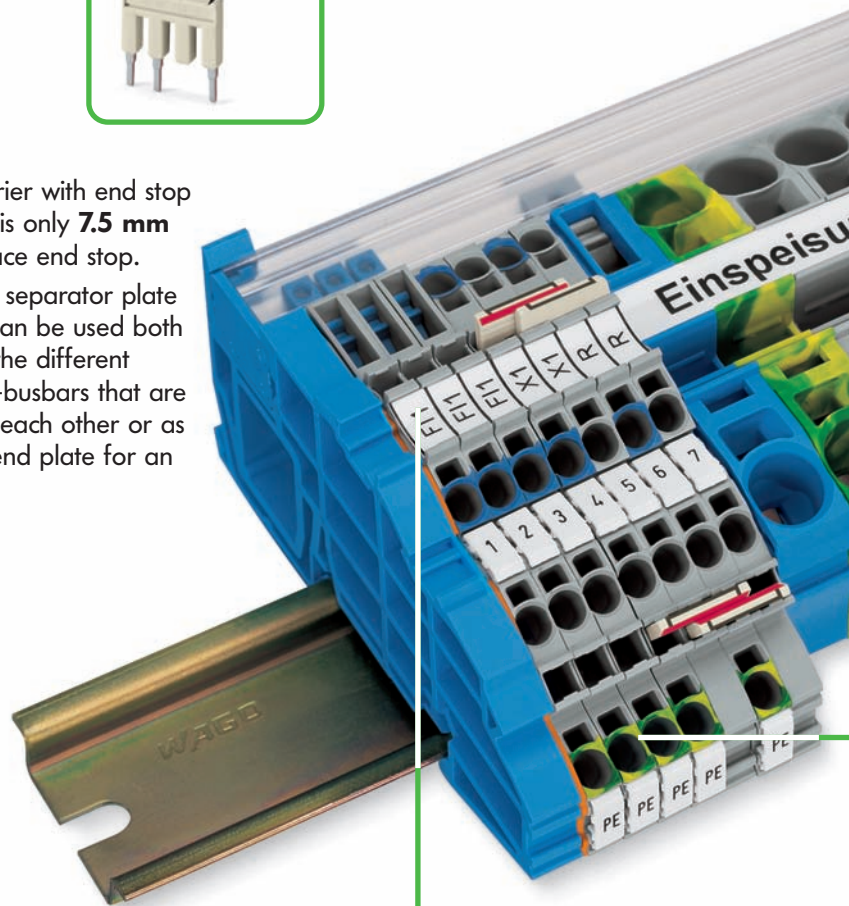
The busbar carrier with end stop function, which is only **7.5 mm wide** can replace end stop.

The detachable separator plate on the carrier can be used both for separating the different potentials of N-busbars that are directly next to each other or as a touch-proof end plate for an N-busbar.



The compact busbar carrier, which is placed every 200 mm, is used to additionally support the busbar on a long assembly.

Perforations make it possible to fit the carrier to all TOPJOB®S installation terminal blocks using a single part.

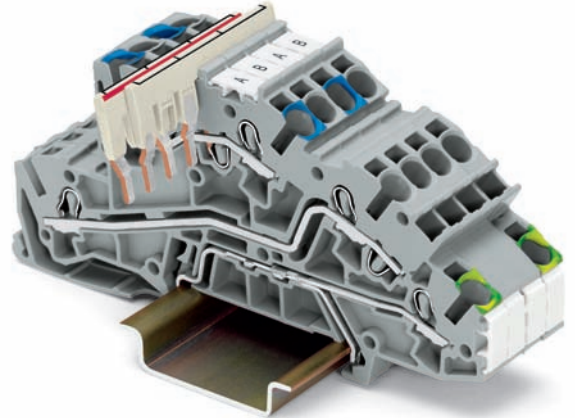
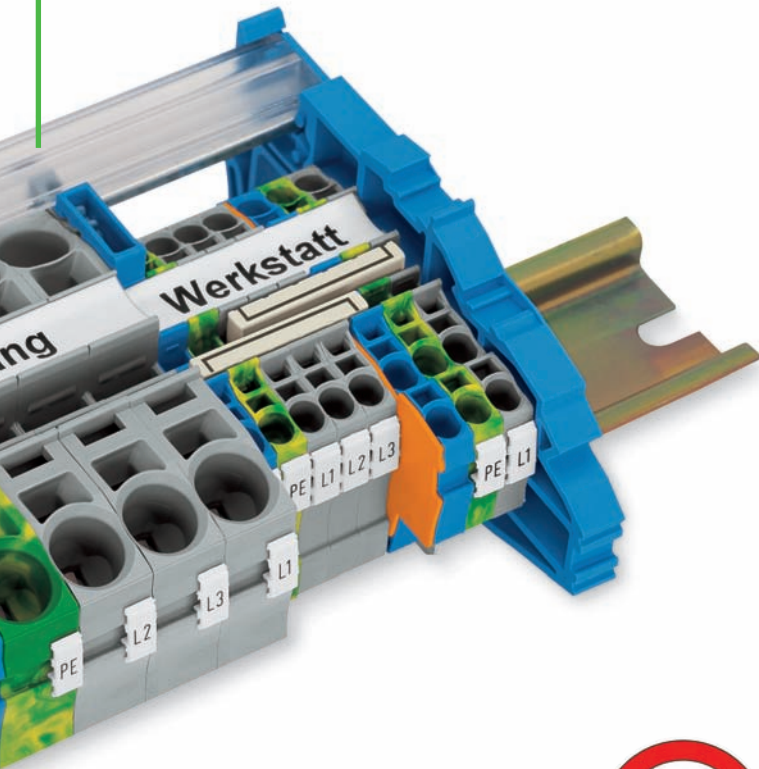


Each connection point has an individual marker receptacle for WMB markers. Additionally, the upper marker receptacle is suitable for marker strips that can be marked manually using a marker pen or automatically by a thermal transfer printer.



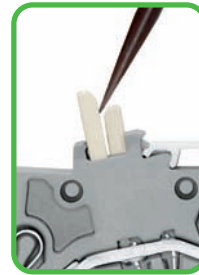
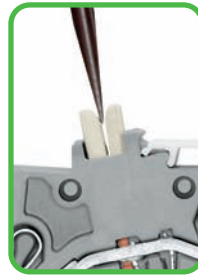
Commoning is done using the new staggered jumper system in one single TOPJOB[®]S jumper slot. The multilevel installation terminal blocks of Series 2003 are therefore suitable for use in very confined spaces.

The optional busbar transparent cover (item no. 777-303) protects the busbar against accidental contact and makes it easy to see which terminal blocks are connected to the busbar.



Removal of staggered jumpers

Insert the screwdriver blade between the jumpers and lift them up.



Environmentally friendly:

TOPJOB[®]S terminal blocks are **100 % lead-free!**



The conductor entry holes of the multilevel installation terminal blocks are color marked, providing a clear arrangement of the terminals.

The grounding foot automatically guarantees a safe connection to the carrier rail.

TOPJOB[®]S – The range of terminal blocks for all types of applications.

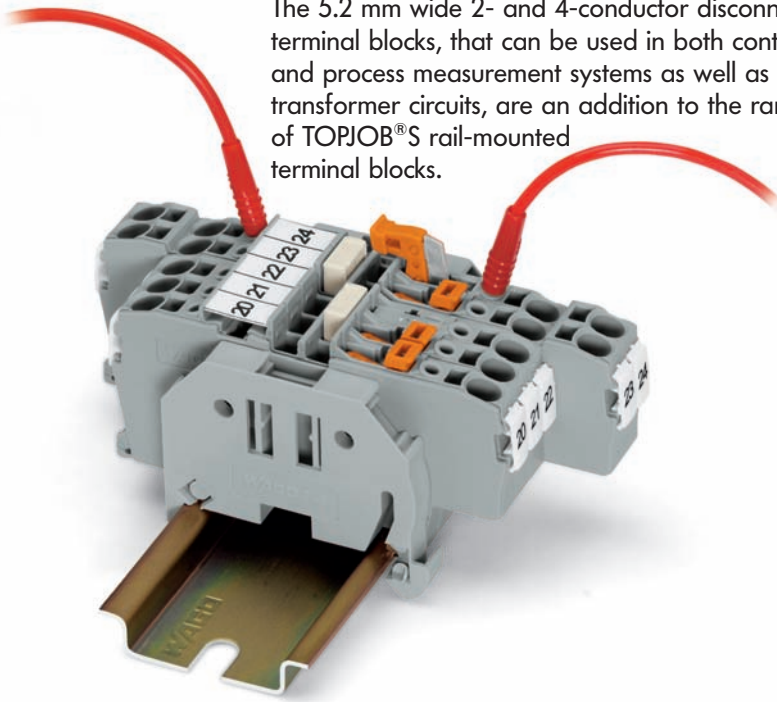
- The direct connection of solid wires in small distribution boxes saves time and money.
- Operating errors can be prevented as all types of terminal blocks for building installation are equipped with push-in connection technology.
- Terminal blocks for building installation expand circuit design possibilities.
- The use of standard accessories reduces order-processing and stock-holding costs.
- A high level of application safety is achieved through optimum knowledge of the small range of parts.
- As the position of the busbars is the same, the new TOPJOB[®]S installation terminal blocks are compatible with standard topJob installation terminal blocks.



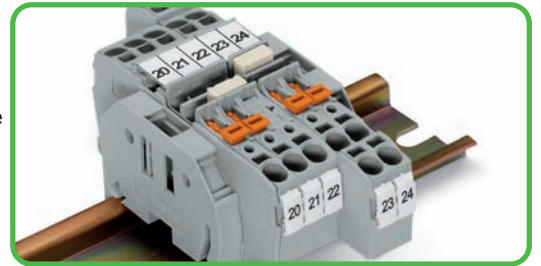
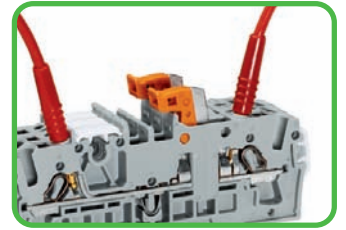
TOPJOB[®]S

2- and 4-conductor disconnect terminal blocks

The 5.2 mm wide 2- and 4-conductor disconnect terminal blocks, that can be used in both control and process measurement systems as well as transformer circuits, are an addition to the range of TOPJOB[®]S rail-mounted terminal blocks.



Movable knife disconnects clearly indicate the circuit state.

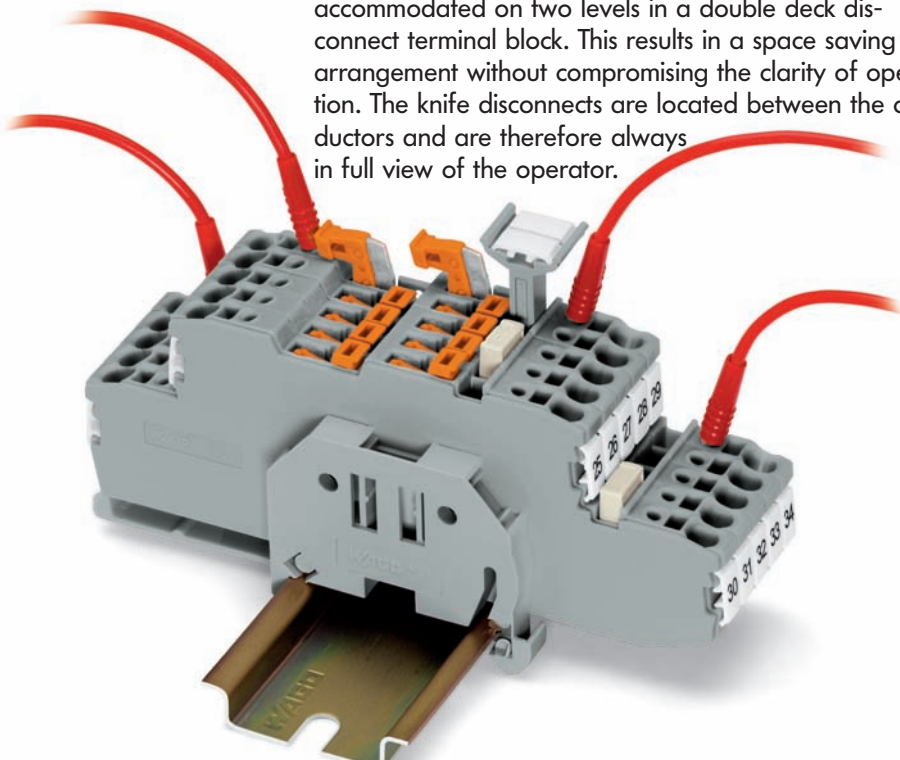


Two lateral and one centre marker receptacle for WMB markers or marking strips. Dual jumper slots, in the same position as the other 2002 Series terminal blocks. Commoning options in front of or behind the knife disconnect, depending on which is the power supply side.

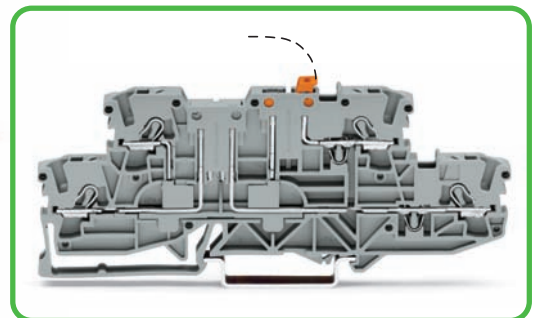


Double deck double disconnect terminal blocks

Disconnect terminal blocks of independent potentials are accommodated on two levels in a double deck disconnect terminal block. This results in a space saving arrangement without compromising the clarity of operation. The knife disconnects are located between the conductors and are therefore always in full view of the operator.



Additional marking option using pivoting marking adapters.



One disconnect and one through terminal block are accommodated on two levels in a terminal block that is only 5.2 mm wide.

TOPJOB[®]S

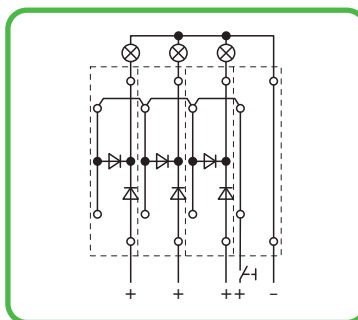
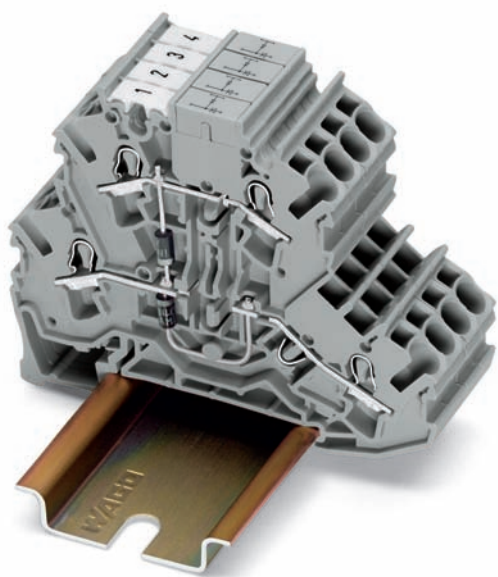
These double and triple deck diode terminal blocks have been specially developed for custom diode circuits such as lamp test and collective fault signal circuits.

Using LED terminal blocks, monitoring units can be designed for control and operating circuits.

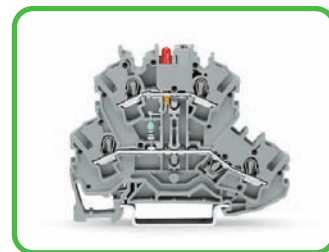
The terminal blocks provide high density wiring maintaining a width of only 5.2 mm.

Using push-in type jumper bars opens up additional possibilities when designing custom circuits.

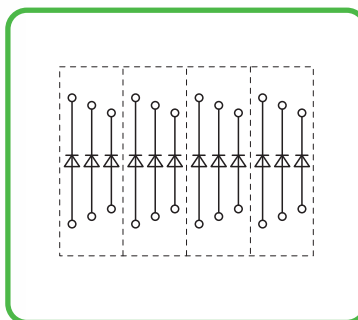
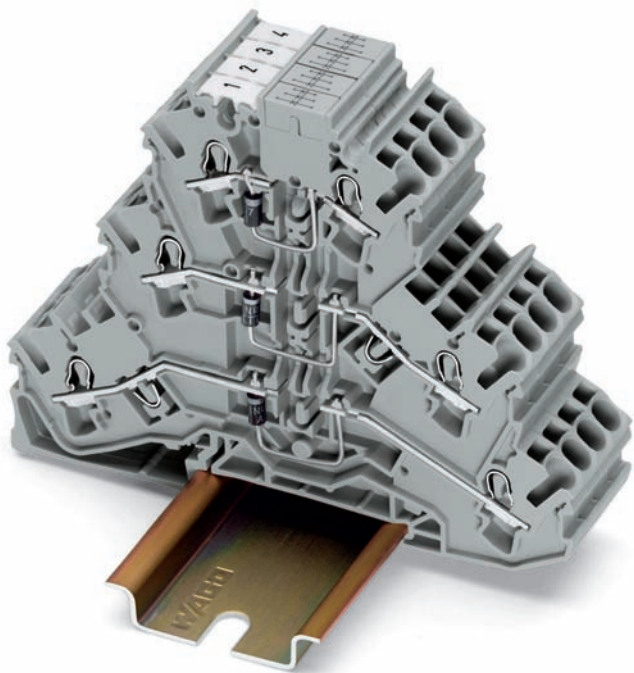
Double deck diode terminal blocks



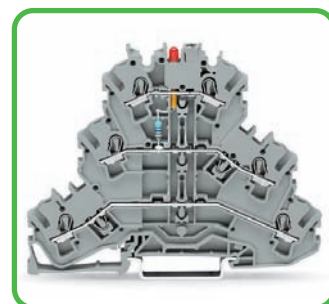
Lamp test circuit























Triple deck diode terminal blocks



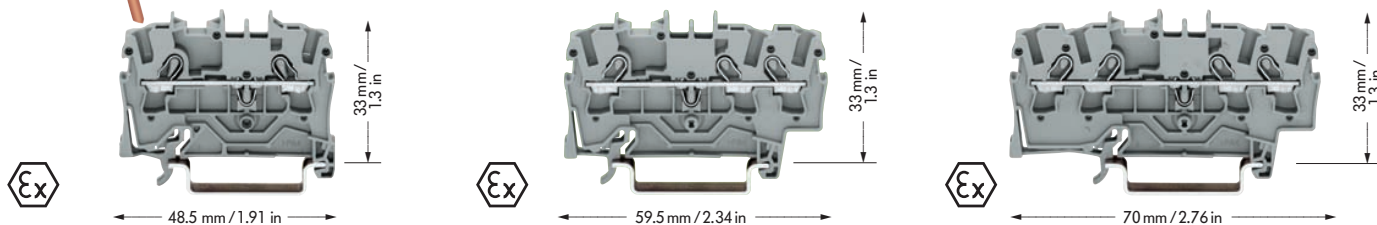
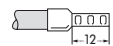
Open diode gate, can be connected individually. Using push-in type jumper bars, individual levels can be turned into polarized diode gates.

























TOPJOB®S Rail-Mounted Terminal Blocks 1.5 (2.5) mm²/AWG 14 Series 2001

| | | | |
|--|---|--|---|
| 0.25 – 1.5 (2.5) mm² Ⓢ 800 V/8 kV/3 18 A Terminal block width 4.2 mm / 0.165 in  9 – 11 mm / 0.39 in *   | 0.25 – 1.5 (2.5) mm² Ⓢ 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 *   | 0.25 – 1.5 (2.5) mm² Ⓢ 800 V/8 kV/3 18 A Terminal block width 4.2 mm / 0.165 in  9 – 11 mm / 0.39 in *   | 0.25 – 1.5 (2.5) mm² Ⓢ 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 *   |
|--|---|--|---|













Ⓢ can be connected: 0.25 mm² – 2.5 mm² "s + f-st";
 can be pushed in directly: 0.5 mm² – 2.5 mm² "s" and 0.75 mm² – 1.5 mm² "insulated ferrule, 12 mm"



| Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs |
|--|---|---|---|---|----------------|
| 2-conductor through terminal blocks | | 3-conductor through terminal blocks | | 4-conductor through terminal blocks | |
| grey  | 2001-1201  | 100 | grey  | 2001-1301  | 100 |
| blue  | 2001-1204  | 100 | blue  | 2001-1304  | 100 |
| orange  | 2001-1202  | 100 | orange  | 2001-1302  | 100 |
| more colors are being prepared | | more colors are being prepared | | more colors are being prepared | |
| 2-conductor ground (earth) terminal block | | 3-conductor ground (earth) terminal block | | 4-conductor ground (earth) terminal block | |
| green-yellow  | 2001-1207  | 100 | green-yellow  | 2001-1307  | 100 |
|  Suitable for Ex e II applications 550 V, 17 A | |  Suitable for Ex e II applications 550 V, 17 A | |  Suitable for Ex e II applications 550 V, 17 A | |
|  Suitable for Ex i applications | |  Suitable for Ex i applications | |  Suitable for Ex i applications | |

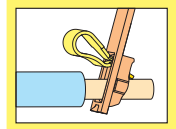
Accessories

appropriate marker system **WMB/Marker strips** (see pages 38 to 39)

| | | |
|--|--|--|
| End and intermediate plate , 0.8 mm/0.031 in thick  orange 2002-1292 100 (4 x 25) grey 2002-1291 100 (4 x 25) | End and intermediate plate , 0.8 mm/0.031 in thick  orange 2002-1392 100 (4 x 25) grey 2002-1391 100 (4 x 25) | End and intermediate plate , 0.8 mm/0.031 in thick  orange 2002-1492 100 (4 x 25) grey 2002-1491 100 (4 x 25) |
| Insulation stop , 5 pcs/strip 200 strips  light grey 2001-171 0.25-0.5 mm ² | Insulation stop , 5 pcs/strip 200 strips  light grey 2001-171 0.25-0.5 mm ² | Insulation stop , 5 pcs/strip 200 strips  light grey 2001-171 0.25-0.5 mm ² |
| Push-in type jumper bars , light grey, insulated, I _N 18 A  16 A 2-way 2001-402 200 (8 x 25) 3-way 2001-403 200 (8 x 25) 4-way 2001-404 200 (8 x 25) 5-way 2001-405 100 (4 x 25) : 10-way 2001-410 100 (4 x 25) | Push-in type jumper bars , light grey, insulated, I _N 18 A  16 A 2-way 2001-402 200 (8 x 25) 3-way 2001-403 200 (8 x 25) 4-way 2001-404 200 (8 x 25) 5-way 2001-405 100 (4 x 25) : 10-way 2001-410 100 (4 x 25) | Push-in type jumper bars , light grey, insulated, I _N 18 A  16 A 2-way 2001-402 200 (8 x 25) 3-way 2001-403 200 (8 x 25) 4-way 2001-404 200 (8 x 25) 5-way 2001-405 100 (4 x 25) : 10-way 2001-410 100 (4 x 25) |
| Push-in type jumper bars , light grey, insulated, I _N 18 A  16 A 1 - 3 2001-433 200 (8 x 25) 1 - 4 2001-434 200 (8 x 25) 1 - 5 2001-435 100 (4 x 25) : 1 - 10 2001-440 100 (4 x 25) | Push-in type jumper bars , light grey, insulated, I _N 18 A  16 A 1 - 3 2001-433 200 (8 x 25) 1 - 4 2001-434 200 (8 x 25) 1 - 5 2001-435 100 (4 x 25) : 1 - 10 2001-440 100 (4 x 25) | Push-in type jumper bars , light grey, insulated, I _N 18 A  16 A 1 - 3 2001-433 200 (8 x 25) 1 - 4 2001-434 200 (8 x 25) 1 - 5 2001-435 100 (4 x 25) : 1 - 10 2001-440 100 (4 x 25) |
| Modular TOPJOB®S connector** , for jumper contact slot 1 pole 2001-501 100 (4 x 25) | Modular TOPJOB®S connector** , for jumper contact slot 1 pole 2001-501 100 (4 x 25) | Modular TOPJOB®S connector** , for jumper contact slot 1 pole 2001-501 100 (4 x 25) |
| Spacer , modular 2001-549 100 (4 x 25) see also pages 24 to 25 | Spacer , modular 2001-549 100 (4 x 25) see also pages 24 to 25 | Spacer , modular 2001-549 100 (4 x 25) see also pages 24 to 25 |
| Test plug adapter , for test plug 4 mm/0.157 in Ø 2009-174 100 (4 x 25) Testing tap , for max. 2.5 mm ² 2009-182 100 (4 x 25) | Test plug adapter , for test plug 4 mm/0.157 in Ø 2009-174 100 (4 x 25) Testing tap , for max. 2.5 mm ² 2009-182 100 (4 x 25) | Test plug adapter , for test plug 4 mm/0.157 in Ø 2009-174 100 (4 x 25) Testing tap , for max. 2.5 mm ² 2009-182 100 (4 x 25) |
| Marker strip , white, plain, on roll for center marking 11 mm/0.039 in wide 50 m 2009-110 1 300 m 2009-130 1 | Marker strip , white, plain, on roll for center marking 11 mm/0.039 in wide 50 m 2009-110 1 300 m 2009-130 1 | Marker strip , white, plain, on roll for center marking 11 mm/0.039 in wide 50 m 2009-110 1 300 m 2009-130 1 |

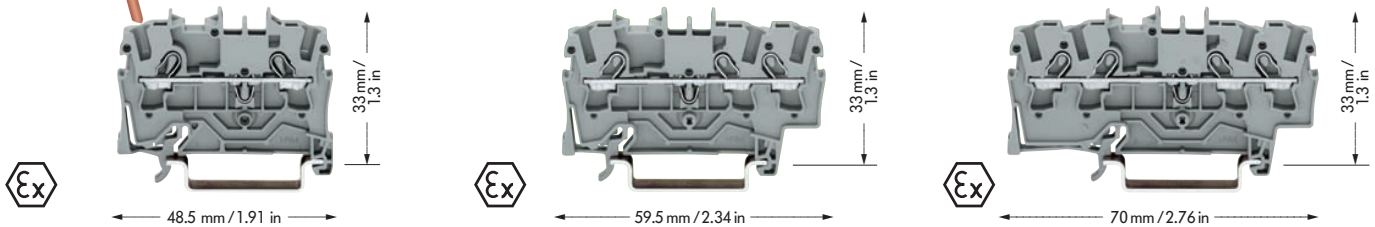
* For further approvals with corresponding ratings see page 49.

TOPJOB® Rail-Mounted Terminal Blocks 2.5 (4) mm²/AWG 12 Series 2002



| | | | | | |
|---|--|---|--|---|--|
| 0.25 – 2.5 (4) mm² ① 800 V/8 kV/3 24 A Terminal block width 5.2 mm / 0.205 in 10 – 12 mm / 0.43 in * | AWG 22 – 12 600 V, 20 A 600 V, 20 A | 0.25 – 2.5 (4) mm² ① 800 V/8 kV/3 24 A Terminal block width 5.2 mm / 0.205 in 10 – 12 mm / 0.43 in * | AWG 22 – 12 600 V, 20 A 600 V, 20 A | 0.25 – 2.5 (4) mm² ① 800 V/8 kV/3 24 A Terminal block width 5.2 mm / 0.205 in 10 – 12 mm / 0.43 in * | AWG 22 – 12 600 V, 20 A 600 V, 20 A |
|---|--|---|--|---|--|

① can be connected: 0.25 mm² – 4 mm² "s + f-st";
 can be pushed in directly: 0.75 mm² – 4 mm² "s" and 0.75 mm² – 2.5 mm² "insulated ferrule, 12 mm"



| Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs |
|--|----------------|--|----------------|--|----------------|
| 2-conductor through terminal blocks | | 3-conductor through terminal blocks | | 4-conductor through terminal blocks | |
| grey 2002-1201 | 100 | grey 2002-1301 | 100 | grey 2002-1401 | 100 |
| blue 2002-1204 | 100 | blue 2002-1304 | 100 | blue 2002-1404 | 100 |
| orange 2002-1202 | 100 | orange 2002-1302 | 100 | orange 2002-1402 | 100 |
| more colors are being prepared | | more colors are being prepared | | more colors are being prepared | |
| 2-conductor ground (earth) terminal block | | 3-conductor ground (earth) terminal block | | 4-conductor ground (earth) terminal block | |
| green-yellow 2002-1207 | 100 | green-yellow 2002-1307 | 100 | green-yellow 2002-1407 | 100 |
| Suitable for Ex e II applications 550 V, 22 A | | Suitable for Ex e II applications 550 V, 22 A | | Suitable for Ex e II applications 550 V, 22 A | |
| Suitable for Ex i applications | | Suitable for Ex i applications | | Suitable for Ex i applications | |
















Accessories

appropriate marker system **WMB/Marker strips** (see pages 38 to 39)

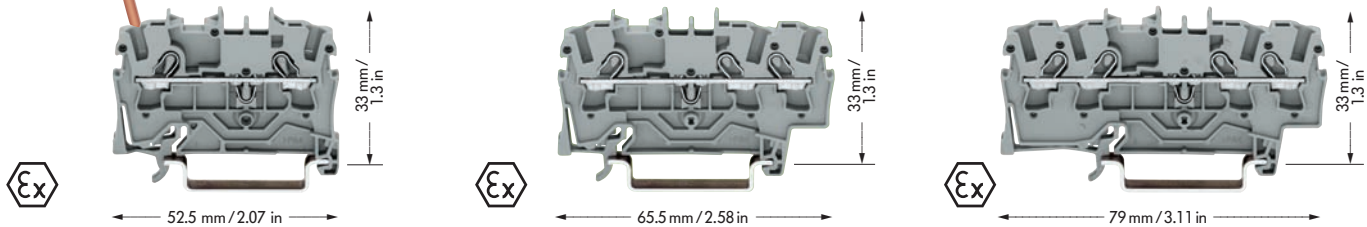
| | | |
|--|--|--|
| End and intermediate plate , 0.8 mm / 0.031 in thick orange 2002-1292 100 (4 x 25) grey 2002-1291 100 (4 x 25) | End and intermediate plate , 0.8 mm / 0.031 in thick orange 2002-1392 100 (4 x 25) grey 2002-1391 100 (4 x 25) | End and intermediate plate , 0.8 mm / 0.031 in thick orange 2002-1492 100 (4 x 25) grey 2002-1491 100 (4 x 25) |
| Insulation stop , 5 pcs/strip 200 strips light grey 2002-171 0.25-0.5 mm ² dark grey 2002-172 0.75-1 mm ² | Insulation stop , 5 pcs/strip 200 strips light grey 2002-171 0.25-0.5 mm ² dark grey 2002-172 0.75-1 mm ² | Insulation stop , 5 pcs/strip 200 strips light grey 2002-171 0.25-0.5 mm ² dark grey 2002-172 0.75-1 mm ² |
| Push-in type jumper bars , light grey, insulated, I _N 25 A 20 A 2-way 2002-402 200 (8 x 25) 3-way 2002-403 200 (8 x 25) 4-way 2002-404 200 (8 x 25) : : 10-way 2002-410 100 (4 x 25) | Push-in type jumper bars , light grey, insulated, I _N 25 A 20 A 2-way 2002-402 200 (8 x 25) 3-way 2002-403 200 (8 x 25) 4-way 2002-404 200 (8 x 25) : : 10-way 2002-410 100 (4 x 25) | Push-in type jumper bars , light grey, insulated, I _N 25 A 20 A 2-way 2002-402 200 (8 x 25) 3-way 2002-403 200 (8 x 25) 4-way 2002-404 200 (8 x 25) : : 10-way 2002-410 100 (4 x 25) |
| Staggered jumper , see page 28 | Staggered jumper , see page 28 | Staggered jumper , see page 28 |
| Push-in type jumper bars , light grey, insulated, I _N 25 A 20 A 1 - 3 2002-433 200 (8 x 25) 1 - 4 2002-434 200 (8 x 25) 1 - 5 2002-435 100 (4 x 25) : : 1 - 10 2002-440 100 (4 x 25) | Push-in type jumper bars , light grey, insulated, I _N 25 A 20 A 1 - 3 2002-433 200 (8 x 25) 1 - 4 2002-434 200 (8 x 25) 1 - 5 2002-435 100 (4 x 25) : : 1 - 10 2002-440 100 (4 x 25) | Push-in type jumper bars , light grey, insulated, I _N 25 A 20 A 1 - 3 2002-433 200 (8 x 25) 1 - 4 2002-434 200 (8 x 25) 1 - 5 2002-435 100 (4 x 25) : : 1 - 10 2002-440 100 (4 x 25) |
| Protective warning marker , for 5 terminal blocks yellow 2002-115 100 (4 x 25) | Protective warning marker , for 5 terminal blocks yellow 2002-115 100 (4 x 25) | Protective warning marker , for 5 terminal blocks yellow 2002-115 100 (4 x 25) |
| Modular TOPJOB®S connector** , for jumper contact slot 1 pole 2002-511 100 (4 x 25) | Modular TOPJOB®S connector** , for jumper contact slot 1 pole 2002-511 100 (4 x 25) | Modular TOPJOB®S connector** , for jumper contact slot 1 pole 2002-511 100 (4 x 25) |
| Spacer , modular 2002-549 100 (4 x 25) see also pages 24 to 25 | Spacer , modular 2002-549 100 (4 x 25) see also pages 24 to 25 | Spacer , modular 2002-549 100 (4 x 25) see also pages 24 to 25 |
| Test plug adapter , for test plug 4 mm / 0.157 in Ø 2009-174 100 (4 x 25) Testing tap , for max. 2.5 mm ² 2009-182 100 (4 x 25) | Test plug adapter , for test plug 4 mm / 0.157 in Ø 2009-174 100 (4 x 25) Testing tap , for max. 2.5 mm ² 2009-182 100 (4 x 25) | Test plug adapter , for test plug 4 mm / 0.157 in Ø 2009-174 100 (4 x 25) Testing tap , for max. 2.5 mm ² 2009-182 100 (4 x 25) |































* For further approvals with corresponding ratings see page 49.

TOPJOB® Rail-Mounted Terminal Blocks 4 (6) mm²/AWG 10 Series 2004

| | | | | | |
|--|--|--|--|--|--|
| 0.5 – 4 (6) mm² ① 800 V/8 kV/3 32 A Terminal block width 6.2 mm / 0.244 in  11 – 13 mm / 0.47 in *   | AWG 20 – 10 600 V, 30 A  600 V, 30 A  | 0.5 – 4 (6) mm² ① 800 V/8 kV/3 32 A Terminal block width 6.2 mm / 0.244 in  11 – 13 mm / 0.47 in *   | AWG 20 – 10 600 V, 30 A  600 V, 30 A  | 0.5 – 4 (6) mm² ① 800 V/8 kV/3 32 A Terminal block width 6.2 mm / 0.244 in  11 – 13 mm / 0.47 in *   | AWG 20 – 10 600 V, 30 A  600 V, 30 A  |
|--|--|--|--|--|--|




























① can be connected: 0.5 mm² – 6 mm² "s+f-st";
can be pushed in directly: 1 mm² – 6 mm² "s" and 0.75 mm² – 4 mm² "insulated ferrule, 12 mm"



| Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs | | | |
|--|---|----------|---|---|----------------|---|---|----|
| 2-conductor through terminal blocks | | | 3-conductor through terminal blocks | | | 4-conductor through terminal blocks | | |
| grey  | 2004-1201  | 50 | grey  | 2004-1301  | 50 | grey  | 2004-1401  | 50 |
| blue  | 2004-1204  | 50 | blue  | 2004-1304  | 50 | blue  | 2004-1404  | 50 |
| orange  | 2004-1202  | 50 | orange  | 2004-1302  | 50 | orange  | 2004-1402  | 50 |
| weitere Farbvarianten in Vorbereitung | | | weitere Farbvarianten in Vorbereitung | | | weitere Farbvarianten in Vorbereitung | | |
| 2-conductor ground (earth) terminal block | | | 3-conductor ground (earth) terminal block | | | 4-conductor ground (earth) terminal block | | |
| green-yellow  | 2004-1207  | 50 | green-yellow  | 2004-1307  | 50 | green-yellow  | 2004-1407  | 50 |
|  Suitable for Ex e II applications 550 V, 30 A | | |  Suitable for Ex e II applications 550 V, 30 A | | |  Suitable for Ex e II applications 550 V, 30 A | | |
|  Suitable for Ex i applications | | |  Suitable for Ex i applications | | |  Suitable for Ex i applications | | |

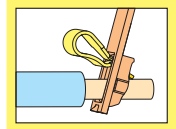
Accessories

appropriate marker system **WMB/Marker strips/WMB Inline** (see pages 38 to 39)

| | | |
|---|--|--|
| End and intermediate plate, 1 mm/0.039 in thick  <ul style="list-style-type: none"> orange 2004-1292 100 (4 x 25) grey 2004-1291 100 (4 x 25) | End and intermediate plate, 1 mm/0.039 in thick  <ul style="list-style-type: none"> orange 2004-1392 100 (4 x 25) grey 2004-1391 100 (4 x 25) | End and intermediate plate, 1 mm/0.039 in thick  <ul style="list-style-type: none"> orange 2004-1492 100 (4 x 25) grey 2004-1491 100 (4 x 25) |
| Insulation stop, 5 pcs/strip 200 strips  <ul style="list-style-type: none"> light grey 2004-171 0.25-0.5 mm² dark grey 2004-172 0.75-1 mm² | Insulation stop, 5 pcs/strip 200 strips  <ul style="list-style-type: none"> light grey 2004-171 0.25-0.5 mm² dark grey 2004-172 0.75-1 mm² | Insulation stop, 5 pcs/strip 200 strips  <ul style="list-style-type: none"> light grey 2004-171 0.25-0.5 mm² dark grey 2004-172 0.75-1 mm² |
| Push-in type jumper bars, light grey, insulated, I_N 32A  <ul style="list-style-type: none">  30 A 2-fach 2004-402 100 (4 x 25) 3-fach 2004-403 100 (4 x 25) 4-fach 2004-404 100 (4 x 25) 5-fach 2004-405 50 (2 x 25) : : 10-fach 2004-410 50 (2 x 25) | Push-in type jumper bars, light grey, insulated, I_N 32A  <ul style="list-style-type: none">  30 A 2-fach 2004-402 100 (4 x 25) 3-fach 2004-403 100 (4 x 25) 4-fach 2004-404 100 (4 x 25) 5-fach 2004-405 50 (2 x 25) : : 10-fach 2004-410 50 (2 x 25) | Push-in type jumper bars, light grey, insulated, I_N 32A  <ul style="list-style-type: none">  30 A 2-fach 2004-402 100 (4 x 25) 3-fach 2004-403 100 (4 x 25) 4-fach 2004-404 100 (4 x 25) 5-fach 2004-405 50 (2 x 25) : : 10-fach 2004-410 50 (2 x 25) |
| Push-in type jumper bars, light grey, insulated, I_N 32A  <ul style="list-style-type: none">  30 A 1 - 3 2004-433 100 (4 x 25) 1 - 4 2004-434 100 (4 x 25) 1 - 5 2004-435 50 (2 x 25) : : 1 - 10 2004-440 50 (2 x 25) | Push-in type jumper bars, light grey, insulated, I_N 32A  <ul style="list-style-type: none">  30 A 1 - 3 2004-433 100 (4 x 25) 1 - 4 2004-434 100 (4 x 25) 1 - 5 2004-435 50 (2 x 25) : : 1 - 10 2004-440 50 (2 x 25) | Push-in type jumper bars, light grey, insulated, I_N 32A  <ul style="list-style-type: none">  30 A 1 - 3 2004-433 100 (4 x 25) 1 - 4 2004-434 100 (4 x 25) 1 - 5 2004-435 50 (2 x 25) : : 1 - 10 2004-440 50 (2 x 25) |
| Protective warning marker, for 5 terminal blocks  yellow 2004-115 100 (4 x 25) | Protective warning marker, for 5 terminal blocks  yellow 2004-115 100 (4 x 25) | Protective warning marker, for 5 terminal blocks  yellow 2004-115 100 (4 x 25) |
| Modular TOPJOB®S connector**, for jumper contact slot  1 pole 2004-511 100 (4 x 25) | Modular TOPJOB®S connector**, for jumper contact slot  1 pole 2004-511 100 (4 x 25) | Modular TOPJOB®S connector**, for jumper contact slot  1 pole 2004-511 100 (4 x 25) |
| Spacer, modular 2004-549 100 (4 x 25) see also pages 24 to 25 | Spacer, modular 2004-549 100 (4 x 25) see also pages 24 to 25 | Spacer, modular 2004-549 100 (4 x 25) see also pages 24 to 25 |
| Test plug adapter, for test plug 4 mm/0.157 in Ø  2009-174 100 (4 x 25) Testing tap, for max. 2.5 mm² 2009-182 100 (4 x 25) | Test plug adapter, for test plug 4 mm/0.157 in Ø  2009-174 100 (4 x 25) Testing tap, for max. 2.5 mm² 2009-182 100 (4 x 25) | Test plug adapter, for test plug 4 mm/0.157 in Ø  2009-174 100 (4 x 25) Testing tap, for max. 2.5 mm² 2009-182 100 (4 x 25) |

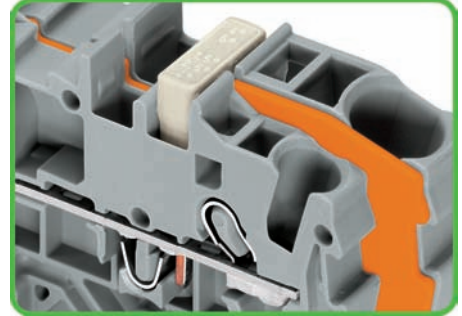
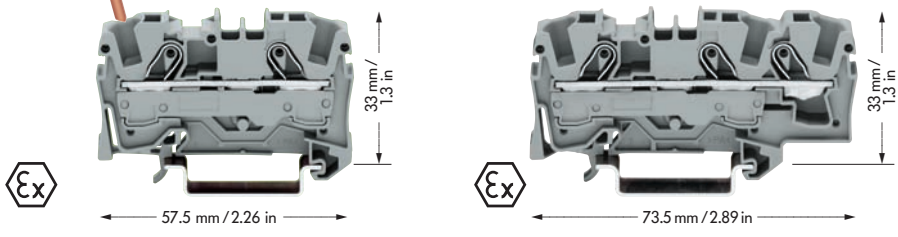
* For further approvals with corresponding ratings see page 49.

TOPJOB® Rail-Mounted Terminal Blocks 6 (10) mm²/AWG 8 Series 2006



| | | | | |
|---|---|---|---|---|
| 0.5 – 6 (10) mm² Ⓢ 800 V/8 kV/3 41 A Terminal block width 7.5 mm / 0.295 in 13 – 15 mm / 0.55 in * Ⓢ Ⓢ Ⓢ | AWG 20 – 8 600 V, 50 A Ⓢ 600 V, 50 A Ⓢ | 0.5 – 6 (10) mm² Ⓢ 800 V/8 kV/3 41 A Terminal block width 7.5 mm / 0.295 in 13 – 15 mm / 0.55 in * Ⓢ Ⓢ Ⓢ | AWG 20 – 8 600 V, 50 A Ⓢ 600 V, 50 A Ⓢ | Commoning with step-down jumpers Application notes see page 7 |
|---|---|---|---|---|

① can be connected: 0.5 mm² – 10 mm² "s+f-st";
 can be pushed in directly: 1.5 mm² – 10 mm² "s" and
 1.5 mm² – 6 mm² "insulated ferrule, 12 mm"



| Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs |
|--|----------------|--|----------------|--|----------------|
| 2-conductor through terminal blocks | | 3-conductor through terminal blocks | | Commoning with step-down jumpers | |
| grey Ⓢ 2006-1201 50 | | grey Ⓢ 2006-1301 25 | | An end plate must always be used between the terminal blocks that are commoned with step-down jumpers. | |
| blue Ⓢ 2006-1204 50 | | blue Ⓢ 2006-1304 25 | | Step-down jumper 2006-499 is suitable for commoning | |
| orange Ⓢ 2006-1202 50 | | orange Ⓢ 2006-1302 25 | | AWG 10/12 (6/4 mm ²) terminal blocks with AWG | |
| 2-conductor ground (earth) terminal block | | 3-conductor ground (earth) terminal block | | 12/14/16 (4/2.5/1.5 mm ²) terminal blocks. | |
| green-yellow Ⓢ 2006-1207 50 | | green-yellow Ⓢ 2006-1307 25 | | Step-down jumpers are simply pushed down to full insertion, in the same way as all other push-in type jumper bars. | |
| Ⓢ Suitable for Ex e II applications 550 V, 38 A | | Ⓢ Suitable for Ex e II applications 550 V, 36 A | | | |
| ② Suitable for Ex i applications | | ② Suitable for Ex i applications | | | |

Accessories

appropriate marker system **WMB/Marker strips/WMB Inline** (see pages 38 to 39)











| | | |
|--|--|--|
| End and intermediate plate, 1 mm/0.039 in thick orange 2006-1292 100 (4 x 25) grey 2006-1291 100 (4 x 25) | End and intermediate plate, 1 mm/0.039 in thick orange 2006-1392 100 (4 x 25) grey 2006-1391 100 (4 x 25) | Step-down jumper, light grey, insulated 32 A 2006-499 50 (2 x 25) |
| Push-in type jumper bars, light grey, insulated, I_N 41 A Ⓢ 33 A 2-way 2006-402 50 (2 x 25) 3-way 2006-403 50 (2 x 25) 4-way 2006-404 50 (2 x 25) 5-way 2006-405 50 (2 x 25) | Push-in type jumper bars, light grey, insulated, I_N 41 A Ⓢ 33 A 2-way 2006-402 50 (2 x 25) 3-way 2006-403 50 (2 x 25) 4-way 2006-404 50 (2 x 25) 5-way 2006-405 50 (2 x 25) | |
| Push-in type jumper bars, light grey, insulated, I_N 41 A Ⓢ 33 A 1 - 3 2006-433 50 (2 x 25) 1 - 4 2006-434 50 (2 x 25) 1 - 5 2006-435 50 (2 x 25) | Push-in type jumper bars, light grey, insulated, I_N 41 A Ⓢ 33 A 1 - 3 2006-433 50 (2 x 25) 1 - 4 2006-434 50 (2 x 25) 1 - 5 2006-435 50 (2 x 25) | |
| Protective warning marker, for 5 terminal blocks yellow 2006-115 100 (4 x 25) | Protective warning marker, for 5 terminal blocks yellow 2006-115 100 (4 x 25) | |
| Test plug adapter, for test plug 4 mm/0.157 in Ø 2009-174 100 (4 x 25) | Test plug adapter, for test plug 4 mm/0.157 in Ø 2009-174 100 (4 x 25) | |
| Testing tap, for max. 2.5 mm² 2009-182 100 (4 x 25) | Testing tap, for max. 2.5 mm² 2009-182 100 (4 x 25) | |
| Marker strip, white, plain, on roll for center marking 11 mm/0.039 in wide 50 m 2009-110 1 300 m 2009-130 1 | Marker strip, white, plain, on roll for center marking 11 mm/0.039 in wide 50 m 2009-110 1 300 m 2009-130 1 | |

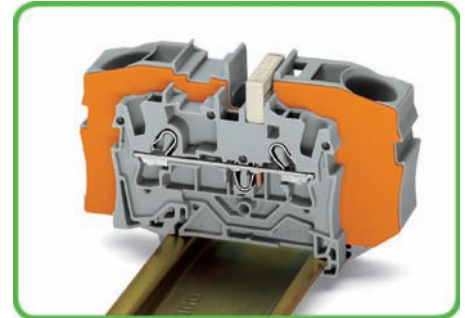
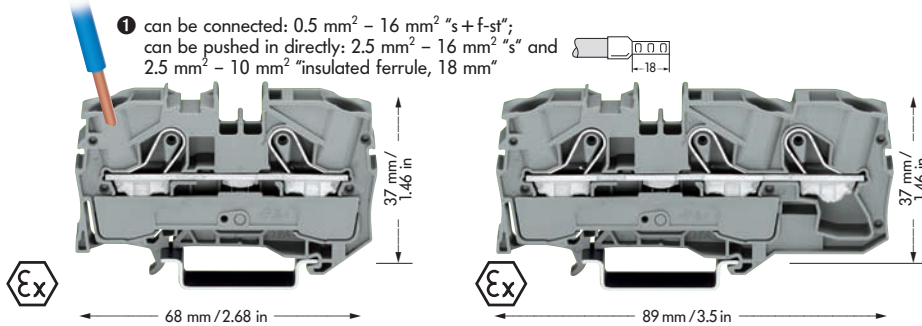
Note:
 The total current flowing cannot exceed the rating of the step-down jumper/push-in type jumper bar.





















* For further approvals with corresponding ratings see page 49.



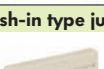
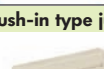


















TOPJOB® S Rail-Mounted Terminal Blocks 10 (16) mm²/AWG 6 Series 2010

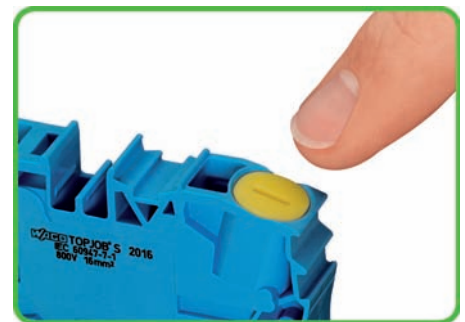
| | | | | |
|---|---|---|---|--|
| 0.5 – 10 (16) mm² ① 800 V/8 kV/3 57 A Terminal block width 10 mm / 0.394 in  17 – 19 mm / 0.71 in *   | AWG 20 – 6 600 V, 65 A  600 V, 65 A  | 0.5 – 10 (16) mm² ① 800 V/8 kV/3 57 A Terminal block width 10 mm / 0.394 in  17 – 19 mm / 0.71 in *   | AWG 20 – 6 600 V, 65 A  600 V, 65 A  | Commoning with step-down jumpers Application notes see page 7 |
|---|---|---|---|--|



| Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs |
|--|--|---|--|--|----------------|
| 2-conductor through terminal blocks | | 3-conductor through terminal blocks | | Commoning with step-down jumpers | |
| grey  | 2010-1201  | 25 | grey  | 2010-1301  | 25 |
| blue  | 2010-1204  | 25 | blue  | 2010-1304  | 25 |
| orange  | 2010-1202  | 25 | orange  | 2010-1302  | 25 |
| 2-conductor ground (earth) terminal block | | 3-conductor ground (earth) terminal block | | | |
| green-yellow  | 2010-1207  | 25 | green-yellow  | 2010-1307  | 25 |
|  Suitable for Ex e II applications 550 V, 51 A | |  Suitable for Ex e II applications 550 V, 50 A | | | |
|  Suitable for Ex i applications | |  Suitable for Ex i applications | | Step-down jumpers are simply pushed down to full insertion, in the same way as all other push-in type jumper bars. | |

| Accessories | | appropriate marker system WMB/Marker strips/WMB Inline (see pages 38 to 39) | |
|--|--|--|--|
| End and intermediate plate, 1 mm/0.039 in thick | | End and intermediate plate, 1 mm/0.039 in thick | |
|  orange 2010-1292 100 (4 x 25) | |  orange 2010-1392 100 (4 x 25) | |
|  grey 2010-1291 100 (4 x 25) | |  grey 2010-1391 100 (4 x 25) | |
| Push-in type jumper bars, light grey, insulated, I_N 57 A | | Push-in type jumper bars, light grey, insulated, I_N 57 A | |
|   51 A | |   50 A | |
| 2-way 2010-402 50 (2 x 25) | | 2-way 2010-402 50 (2 x 25) | |
| 3-way 2010-403 50 (2 x 25) | | 3-way 2010-403 50 (2 x 25) | |
| 4-way 2010-404 50 (2 x 25) | | 4-way 2010-404 50 (2 x 25) | |
| 5-way 2010-405 50 (2 x 25) | | 5-way 2010-405 50 (2 x 25) | |
| Push-in type jumper bars, light grey, insulated, I_N 57 A | | Push-in type jumper bars, light grey, insulated, I_N 57 A | |
|   51 A | |   50 A | |
| 1 - 3 2010-433 50 (2 x 25) | | 1 - 3 2010-433 50 (2 x 25) | |
| 1 - 4 2010-434 50 (2 x 25) | | 1 - 4 2010-434 50 (2 x 25) | |
| 1 - 5 2010-435 50 (2 x 25) | | 1 - 5 2010-435 50 (2 x 25) | |
| Protective warning marker, | | Protective warning marker, | |
| for 5 terminal blocks | | for 5 terminal blocks | |
|  yellow 2010-115 100 (4 x 25) | |  yellow 2010-115 100 (4 x 25) | |
| Test plug adapter, for test plug 4 mm/0.157 in Ø | | Test plug adapter, for test plug 4 mm/0.157 in Ø | |
|  2009-174 100 (4 x 25) | |  2009-174 100 (4 x 25) | |
| Testing tap, for max. 2.5 mm² | | Testing tap, for max. 2.5 mm² | |
|  2009-182 100 (4 x 25) | |  2009-182 100 (4 x 25) | |
| Marker strip, white, plain, on roll | | Marker strip, white, plain, on roll | |
| for center marking | | for center marking | |
| 11 mm/0.039 in wide | | 11 mm/0.039 in wide | |
| 50 m 2009-110 1 | | 50 m 2009-110 1 | |
| 300 m 2009-130 1 | | 300 m 2009-130 1 | |
| Finger guard cover, | | Finger guard cover, | |
|  serves as touchproof protection | |  serves as touchproof protection | |
| for unused clamping units | | for unused clamping units | |
| yellow 2010-100 100 (4 x 25) | | yellow 2010-100 100 (4 x 25) | |

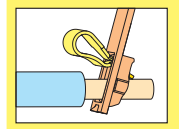
Note:
The total current flowing cannot exceed the rating of the step-down jumper/push-in type jumper bar.



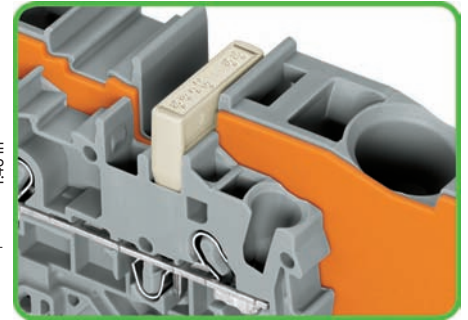
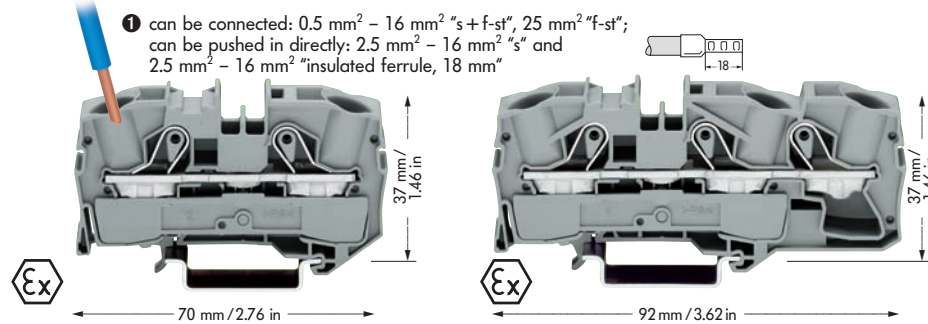
Finger guard cover snapped into unused clamping unit (Example: Series 2016)

* For further approvals with corresponding ratings see page 49.

TOPJOB[®] Rail-Mounted Terminal Blocks 16 (25 "f-st") mm²/AWG 4 Series 2016



| | | |
|--|--|--|
| 0.5 – 16 (25 "f-st") mm² ① AWG 20 – 4 800 V/8 kV/3 600 V, 85 A 76 A 600 V, 85 A Terminal block width 12 mm / 0.472 in 18 – 20 mm / 0.75 in * | 0.5 – 16 (25 "f-st") mm² ① AWG 20 – 4 800 V/8 kV/3 600 V, 85 A 76 A 600 V, 85 A Terminal block width 12 mm / 0.472 in 18 – 20 mm / 0.75 in * | Commoning with step-down jumpers Application notes see page 7 |
|--|--|--|



| Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs |
|--|-----------------------|--|-----------------------|--|----------------|
| 2-conductor through terminal blocks | | 3-conductor through terminal blocks | | Commoning with step-down jumpers | |
| grey | 2016-1201 ● 20 | grey | 2016-1301 ● 20 | An end plate must always be used between the terminal blocks that are commoned with step-down jumpers. | |
| blue | 2016-1204 ● 20 | blue | 2016-1304 ● 20 | Step-down jumper 2006-499 is suitable for commoning | |
| orange | 2016-1202 ● 20 | orange | 2016-1302 ● 20 | AWG 10/12 (6/4 mm ²) terminal blocks with AWG | |
| 2-conductor ground (earth) terminal block | | 3-conductor ground (earth) terminal block | | 12/14/16 (4/2.5/1.5 mm ²) terminal blocks. | |
| green-yellow | 2016-1207 ● 20 | green-yellow | 2016-1307 ● 20 | Step-down jumpers are simply pushed down to full insertion, in the same way as all other push-in type jumper bars. | |
| Suitable for Ex e II applications 550 V, 70 A | | Suitable for Ex e II applications 550 V, 67 A | | | |
| ② Suitable for Ex i applications | | ② Suitable for Ex i applications | | | |



Accessories

appropriate marker system **WMB/Marker strips/WMB Inline** (see pages 38 to 39)

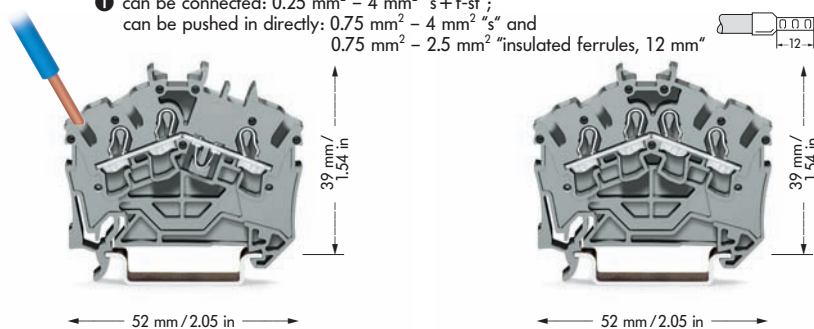
| | | |
|---|---|--|
| End and intermediate plate, 1 mm/0.039 in thick <ul style="list-style-type: none"> orange 2016-1292 100 (4 x 25) grey 2016-1291 100 (4 x 25) | End and intermediate plate, 1 mm/0.039 in thick <ul style="list-style-type: none"> orange 2016-1392 100 (4 x 25) grey 2016-1391 100 (4 x 25) | Step-down jumper, light grey, insulated <ul style="list-style-type: none"> 57 A 2016-499 50 (2 x 25) |
| Push-in type jumper bars, light grey, insulated, I_N 76 A <ul style="list-style-type: none"> 65 A 2-way 2016-402 50 (2 x 25) 3-way 2016-403 50 (2 x 25) 4-way 2016-404 50 (2 x 25) 5-way 2016-405 50 (2 x 25) | Push-in type jumper bars, light grey, insulated, I_N 76 A <ul style="list-style-type: none"> 65 A 2-way 2016-402 50 (2 x 25) 3-way 2016-403 50 (2 x 25) 4-way 2016-404 50 (2 x 25) 5-way 2016-405 50 (2 x 25) | Note: The total current flowing cannot exceed the rating of the step-down jumper/push-in type jumper bar. |
| Push-in type jumper bars, light grey, insulated, I_N 76 A <ul style="list-style-type: none"> 65 A 1 - 3 2016-433 50 (2 x 25) 1 - 4 2016-434 50 (2 x 25) 1 - 5 2016-435 50 (2 x 25) | Push-in type jumper bars, light grey, insulated, I_N 76 A <ul style="list-style-type: none"> 65 A 1 - 3 2016-433 50 (2 x 25) 1 - 4 2016-434 50 (2 x 25) 1 - 5 2016-435 50 (2 x 25) | |
| Protective warning marker, <ul style="list-style-type: none"> for 5 terminal blocks yellow 2016-115 50 (2 x 25) | Protective warning marker, <ul style="list-style-type: none"> for 5 terminal blocks yellow 2016-115 50 (2 x 25) | <p>Finger guard cover snapped into unused clamping unit</p> |
| Test plug adapter, for test plug 4 mm/0.157 in Ø <ul style="list-style-type: none"> 2009-174 100 (4 x 25) | Test plug adapter, for test plug 4 mm/0.157 in Ø <ul style="list-style-type: none"> 2009-174 100 (4 x 25) | |
| Testing tap, for max. 2.5 mm² <ul style="list-style-type: none"> 2009-182 100 (4 x 25) | Testing tap, for max. 2.5 mm² <ul style="list-style-type: none"> 2009-182 100 (4 x 25) | |
| Marker strip, white, plain, on roll <ul style="list-style-type: none"> for center marking 11 mm/0.039 in wide 50 m 2009-110 1 300 m 2009-130 1 | Marker strip, white, plain, on roll <ul style="list-style-type: none"> for center marking 11 mm/0.039 in wide 50 m 2009-110 1 300 m 2009-130 1 | |
| Finger guard cover, <ul style="list-style-type: none"> serves as touchproof protection for unused clamping units yellow 2016-100 100 (4 x 25) | Finger guard cover, <ul style="list-style-type: none"> serves as touchproof protection for unused clamping units yellow 2016-100 100 (4 x 25) | |

* For further approvals with corresponding ratings see page 49.

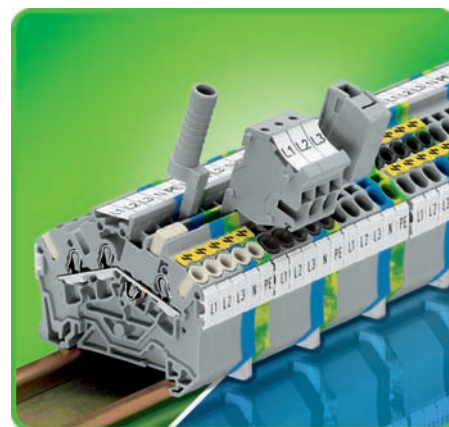
TOPJOB® 3- and 4-Conductor Rail-Mounted Terminal Blocks 2.5 (4) mm²/AWG 12 Series 2002

| | | | |
|---|------------------------------------|--|------------------------------------|
| 0.25 – 2.5 (4) mm² ① 800 V/8 kV/3 24 A Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in | AWG 22 – 12 600 V | 0.25 – 2.5 (4) mm² ① 800 V/8 kV/3 24 A Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in | AWG 22 – 12 600 V |
|---|------------------------------------|--|------------------------------------|

① can be connected: 0.25 mm² – 4 mm² "s+f-st";
 can be pushed in directly: 0.75 mm² – 4 mm² "s" and
 0.75 mm² – 2.5 mm² "insulated ferrules, 12 mm"



| Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs |
|--|----------------|---|----------------|
| 3-conductor through terminal blocks | | 4-conductor through terminal blocks | |
| grey 2002-6301 ● | 100 | grey 2002-6401 ● | 100 |
| blue 2002-6304 ● | 100 | blue 2002-6404 ● | 100 |
| orange 2002-6302 ● | 100 | orange 2002-6402 ● | 100 |
| more colors are being prepared | | more colors are being prepared | |
| 3-conductor ground (earth) terminal block | | 4-conductor ground (earth) terminal block | |
| green-yellow 2002-6307 ● | 100 | green-yellow 2002-6407 ● | 100 |
| Ex approvals in preparation | | Ex approvals in preparation | |
| ② Suitable for Ex i applications | | ② Suitable for Ex i applications | |
| | | Attention! | |
| | | These terminal blocks cannot be commoned! | |
| Accessories appropriate marker system (see pages 38 to 39) | | WMB/Marker strips/WMB Inline | |
| End and intermediate plate , 0.8 mm / 0.031 in thick | | End and intermediate plate , 0.8 mm / 0.031 in thick | |
| orange 2002-6392 100 (4 x 25) | | orange 2002-6392 100 (4 x 25) | |
| grey 2002-6391 100 (4 x 25) | | grey 2002-6391 100 (4 x 25) | |
| Insulation stop , 5 pcs/strip | | Insulation stop , 5 pcs/strip | |
| | 200 strips | | 200 strips |
| light grey 2002-171 0.25-0.5 mm ² | | light grey 2002-171 0.25-0.5 mm ² | |
| dark grey 2002-172 0.75-1 mm ² | | dark grey 2002-172 0.75-1 mm ² | |
| Push-in type jumper bars , light grey, insulated, I _N 25 A | | | |
| 2-way 2002-402 200 (8 x 25) | | | |
| 3-way 2002-403 200 (8 x 25) | | | |
| 4-way 2002-404 200 (8 x 25) | | | |
| 5-way 2002-405 100 (4 x 25) | | | |
| : | : | | |
| 10-way 2002-410 100 (4 x 25) | | | |
| Push-in type jumper bars , light grey, insulated, I _N 25 A | | | |
| 1 - 3 2002-433 200 (8 x 25) | | | |
| 1 - 4 2002-434 200 (8 x 25) | | | |
| 1 - 5 2002-435 100 (4 x 25) | | | |
| : | : | | |
| 1 - 10 2002-440 100 (4 x 25) | | | |
| Protective warning marker , for 5 terminal blocks | | Protective warning marker , for 5 terminal blocks | |
| yellow 2002-115 100 (4 x 25) | | yellow 2002-115 100 (4 x 25) | |
| Modular TOPJOB®S connector** , for jumper contact slot | | | |
| 1 pole 2002-511 100 (4 x 25) | | | |
| Spacer , modular | | 2002-549 100 (4 x 25) | |
| Test plug adapter , for test plug 4 mm/0.157 in Ø | | 2009-174 100 (4 x 25) | |
| Testing tap , for max. 2.5 mm ² | | 2009-182 100 (4 x 25) | |



3- and 4-conductor terminal blocks

The new TOPJOB® rail-mounted terminal blocks have a conductor entry angle of 35 degrees allowing for 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, for example, the new terminal blocks offer a space and cost saving solution. This way, conductors can be placed very close to the terminal blocks and their height can be kept relatively low.

Product characteristics

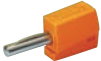

- CAGE CLAMP® connection for all types of conductors, with the additional benefit that stripped solid wires and fine-stranded ferruled wires can be simply pushed in
- Vibration-proof, fast, maintenance-free connection
- 3-conductor through and ground (earth) conductor terminal blocks equipped with dual jumper slot
- 4-conductor terminal blocks allow for the multiplication of potentials without using any jumpers and any additional terminal blocks
- 3- and 4-conductor terminal blocks have the same dimensions

Test Plug Adapter and Testing Tap

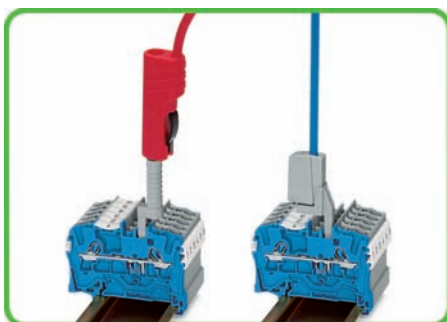
Push-in type wire jumpers

| | | |
|--|--|--|
| Test plug adapter and testing tap for testing rail-mounted terminal blocks of Series 2001/2002/2004/2006/2010/2016 | Push-in type wire jumper Nominal voltage: 800 V/8 kV/3 Nominal current: 16 A Rated cross section: 1.5 mm ² Wire lengths: 60/110/250 mm | |
|--|--|--|

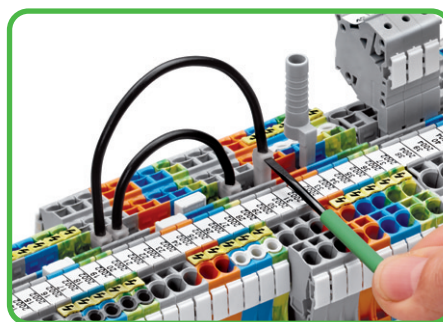


| Item No. | Pack. unit pcs | Item No. | Pack.-unit pcs |
|--|----------------|--|--------------------|
| Test plug adapter, for test plugs 4 mm/0.157 in Ø, for testing rail-mounted terminal blocks of Series 2001/2002/2004/2006/2010/2016 2009-174 | | Push-in type wire jumpers, insulated, conductor cross section 1.5 mm ² , suitable for rail-mounted terminal blocks of Series 2001 and 2002 Wire length 60 mm | |
| | 100 (4 x 25) | 2009-412 | 10 |
| Testing tap, for connecting individual test wires of AWG 28 to 14 (0.08 mm ² – 2.5 mm ²) without tools 2009-182 | | 110 mm | 2009-414 10 |
| | 100 (4 x 25) | 250 mm | 2009-416 10 |
| Banana plugs, for sockets 4 mm/0.157 in Ø  see page 2.42 | | | |
| Test plug, 4 mm/0.157 in Ø,  touch proof, not offered by WAGO for ex. mfd by Multi Contact Deutschland GmbH | | | |

Application notes

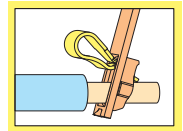


Testing TOPJOB[®]S rail-mounted terminal blocks using a test plug adapter or testing tap.

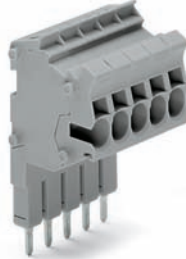


Push down the wire jumper until fully inserted.
Lift the jumper with a screwdriver for rewiring.

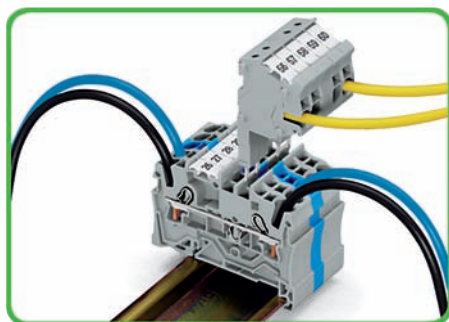
TOPJOB[®] Connector Strips with CAGE CLAMP[®]S Connection Series 2001/2002/2004



| | | |
|---|--|---|
| 0.25 – 1.5 (2.5) mm² ⓪ AWG 22 – 14 500 V/6 kV/3 18 A Terminal block width 4.2 mm / 0.165 in 9 – 11 mm / 0.39 in | 0.25 – 2.5 (4) mm² ⓪ AWG 22 – 12 500 V/6 kV/3 24 A Terminal block width 5.2 mm / 0.205 in 10 – 12 mm / 0.43 in | 0.5 – 4 (6) mm² ⓪ AWG 20 – 10 500 V/6 kV/3 32 A Terminal block width 6.2 mm / 0.244 in 11 – 13 mm / 0.47 in |
|---|--|---|



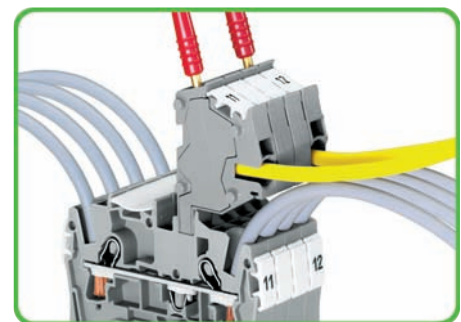
| Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs |
|---|-----------------|---|-----------------|---|-----------------|
| Modular TOPJOB[®]S connector strips with CAGE CLAMP[®]S connection, modular, grey, | | Modular TOPJOB[®]S connector strips with CAGE CLAMP[®]S connection, modular, grey, | | Modular TOPJOB[®]S connector strips with CAGE CLAMP[®]S connection, modular, grey, | |
| 2-pole | 2001-552 | 2-pole | 2002-552 | 2-pole | 2004-552 |
| 3-pole | 2001-553 | 3-pole | 2002-553 | 3-pole | 2004-553 |
| 4-pole | 2001-554 | 4-pole | 2002-554 | 4-pole | 2004-554 |
| 5-pole | 2001-555 | 5-pole | 2002-555 | 5-pole | 2004-555 |
| 6-pole | 2001-556 | 6-pole | 2002-556 | | |
| 7-pole | 2001-557 | 7-pole | 2002-557 | | |
| 8-pole | 2001-558 | 8-pole | 2002-558 | | |
| 9-pole | 2001-559 | 9-pole | 2002-559 | | |
| 10-pole | 2001-560 | 10-pole | 2002-560 | | |
| ⓪ can be connected: 0.25 mm ² – 2.5 mm ² "s + f-st"; can be pushed in directly: 0.5 mm ² – 2.5 mm ² "s" and 0.75 mm ² – 1.5 mm ² "Insulated ferrule, 12 mm" | | ⓪ can be connected: 0.25 mm ² – 4 mm ² "s + f-st"; can be pushed in directly: 0.75 mm ² – 4 mm ² "s" and 0.75 mm ² – 2.5 mm ² "Insulated ferrules, 12 mm" | | ⓪ can be connected: 0.5 mm ² – 6 mm ² "s + f-st"; can be pushed in directly: 1 mm ² – 6 mm ² "s" and 0.75 mm ² – 4 mm ² "Insulated ferrule, 12 mm" | |
| Item-specific accessories | | Item-specific accessories | | Item-specific accessories | |
| WMB Multi marking card, 10 strips with 10 markers each, white with black printing, 4 – 4.2 mm/0.157 – 0.165 in wide 793-4 . . . 5 cards 794-4 . . . 5 cards see Full Line Catalog W4 volume 1, section 14 | | WMB Multi marking card, 10 strips with 10 markers each, white with black printing, 5 – 5.2 mm/0.197 – 0.205 in wide 793-5 . . . 5 cards 794-5 . . . 5 cards see Full Line Catalog W4 volume 1, section 14 | | WMB Multi marking card, 10 strips with 10 markers each, white with black printing, 5 – 5.2 mm/0.197 – 0.205 in wide 793-5 . . . 5 cards 794-5 . . . 5 cards see Full Line Catalog W4 volume 1, section 14 | |



The modular connectors provide an additional connection option for conductors of the same cross section range as the terminal blocks being used.

| |
|---|
| Miniature WSB Quick marking card, 10 strips with 10 markers each, white with black printing, 5 mm /0.197 in wide 248- . . . 5 cards 249- . . . 5 cards see Full Line Catalog W4 volume 1, section 14 |
|---|

| |
|---|
| WMB Inline, pitch 5 mm/0.197 in, stretchable 5 mm – 5.2 mm/0.197 in – 0.205 in, on roll, 1,500 markers withe 2009-115 1 |
|---|





The connector has a test socket for 2 mm/0.079 in or 2.3 mm/0.091 in test plugs.

| Accessories for TOPJOB [®] S connectors | | appropriate marker system WMB/Marker strips (see Full Line Catalog W4 volume 1, section 14) | |
|--|---|--|--|
| Test plug, with cable 500 mm/177" 2.3 mm/0.091 in Ø yellow 210-137 50 (5 x 10) | Strain relief plate, grey snappable onto connector strips | Marker strips, withe, plain, on roll 11 mm /0.039 in wide 50 m 2009-110 1 | |
| Test plug, with cable 500 mm/177" 2 mm/0.079 in Ø red 210-136 50 (5 x 10) | 6 mm /0.236 in wide 734-327 100 (4 x 25) 12.5 mm /0.492 in wide 734-328 100 (4 x 25) 25 mm /0.984 in wide 734-329 100 (4 x 25) 35 mm /1.378 in wide 734-326 100 (4 x 25) | Marker strips, withe, plain, on roll 11 mm /0.039 in wide 300 m 2009-130 1 | |

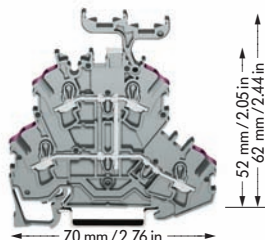
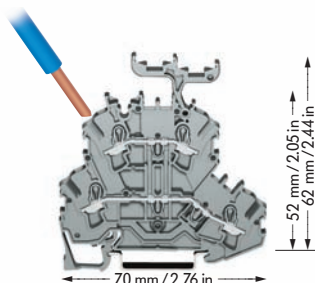
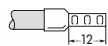
TOPJOB® S

Double Deck Terminal Blocks 2.5 (4) mm² / AWG 12

Series 2002

| | |
|--|--|
| 0.25 – 2.5 (4) mm² ① AWG 22 – 12 500 V/6 kV/3 24 A Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in | 0.25 – 2.5 (4) mm² ① AWG 22 – 12 500 V/6 kV/3 24 A Terminal block width 5.2 / 0.205 in  10 – 12 mm / 0.43 in |
|--|--|

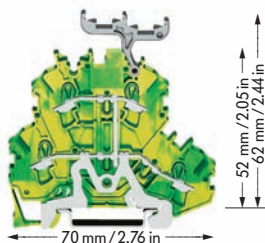
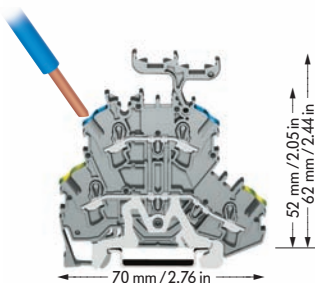
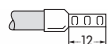
① can be connected: 0.25 mm² – 4 mm² "s + f-st";
 can be pushed in directly: 0.75 mm² – 4 mm² "s" and
 0.75 mm² – 2.5 mm² "insulated ferrule, 12 mm"



| Item No. | Item No. | Pack.-unit pcs | Item No. | Item No. | Pack.-unit pcs |
|---|--------------------|-----------------------|--|--------------------|-----------------------|
| Double deck terminal blocks, for DIN 35 rail | | | Double deck terminal blocks, for DIN 35 rail | | |
| Through-/through terminal blocks, | | | 4-conductor through terminal block, internal commoning, | | |
| housing color grey | | | housing color grey, conductor entry position colored in violet | | |
| Marking carrier with | | without | Marking carrier with | | without |
| L/L | 2002-2231 | 2002-2201 50 | L | 2002-2238 | 2002-2208 50 |
| N/L | 2002-2232 | 2002-2202 50 | 4-conductor through terminal block, | | |
| L/N | 2002-2233 | 2002-2203 50 | internal commoning, housing color blue, | | |
| Housing color blue | | | conductor entry position colored in violet | | |
| N/N | 2002-2234 ② | 2002-2204 ② 50 | N | 2002-2239 ② | 2002-2209 ② 50 |
| ⊗ applications are being prepared | | | ⊗ applications are being prepared | | |
| ② Suitable for Ex i applications | | | ② Suitable for Ex i applications | | |









① can be connected: 0.25 mm² – 4 mm² "s + f-st";
 can be pushed in directly: 0.75 mm² – 4 mm² "s" and
 0.75 mm² – 2.5 mm² "insulated ferrule, 12 mm"



| Item No. | Item No. | Pack.-unit pcs | Item No. | Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs |
|---|------------------|---------------------|---|------------------|---------------------|----------|----------------|
| Double deck terminal blocks, for DIN 35 rail | | | Double deck terminal blocks, for DIN 35 rail | | | | |
| Ground (earth) conductor/through terminal block, | | | 4-conductor ground (earth) terminal block, | | | | |
| Housing color grey | | | internal commoning | | | | |
| Housing color grey | | | Housing color green-yellow | | | | |
| Marking carrier with | | without | Marking carrier with | | without | | |
| PE/N | 2002-2247 | 2002-2217 50 | PE | 2002-2237 | 2002-2207 50 | | |
| PE/L | 2002-2257 | 2002-2227 50 | | | | | |
| ⊗ applications are being prepared | | | ⊗ applications are being prepared | | | | |

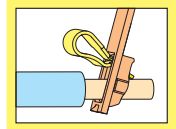
Accessories

Appropriate marking system **WMB/marker strips/WMB Inline** (see page 38 to 39)

| | | |
|---|---|---|
| End and intermediate plate, 0.8 mm/0.032 in thick  orange 2002-2292 100 (4 x 25) grey 2002-2291 100 (4 x 25) | Two-way marking adapter,  pivotable 2002-121 50 (4 x 25) | Protective warning marker, with high voltage symbol, for 5 terminal blocks  yellow 2002-115 100 (4 x 25) |
| Push-in type jumper bars, light grey, insulated, I_N  2-way 2002-402 200 (8 x 25) 3-way 2002-403 200 (8 x 25) 4-way 2002-404 200 (8 x 25) 5-way 2002-405 100 (4 x 25) : : 10-way 2002-410 100 (4 x 25) | Push-in type jumper bars, light grey, insulated, I_N  1 - 3 2002-433 200 (8 x 25) 1 - 4 2002-434 200 (8 x 25) 1 - 5 2002-435 100 (4 x 25) : : 1 - 10 2002-440 100 (4 x 25) | Marker strips, white, plain, for central marking, 11 mm/0.433 in wide,  on roll 50 m 2009-110 1 300 m 2009-130 1 Insulation stop, see page 17 |

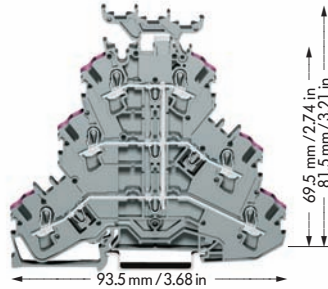
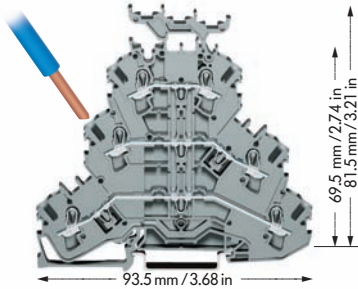
* For further approvals with corresponding ratings see page 49.

TOPJOB[®] Triple Deck Terminal Blocks 2.5 (4) mm² / AWG 12 Series 2002

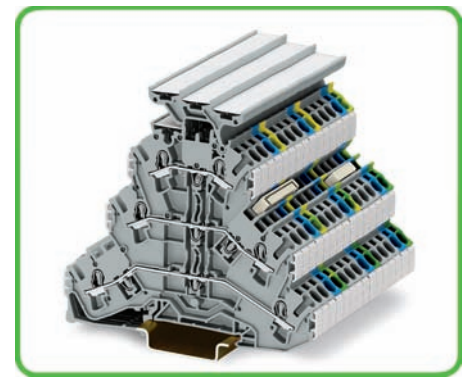


| | | |
|--|---|---|
| 0.25 – 2.5 (4) mm ² ① AWG 22 – 12 500 V/6 kV/3 24 A Terminal block width 5.2 / 0.205 in 10 – 12 mm / 0.43 in * | 0.25 – 2.5 (4) mm ² ① AWG 22 – 12 500 V/6 kV/3 24 A Terminal block width 5.2 mm / 0.205 in 10 – 12 mm / 0.43 in * | 0.25 – 2.5 (4) mm ² ① AWG 22 – 12 500 V/6 kV/3 24 A Terminal block width 5.2 mm / 0.205 in 10 – 12 mm / 0.43 in * |
|--|---|---|

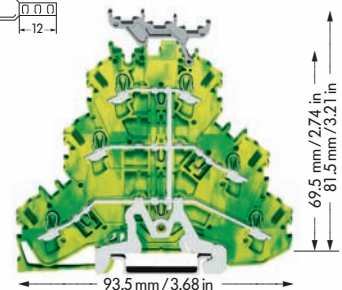
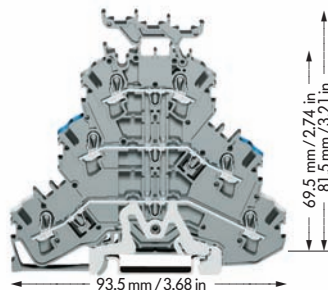
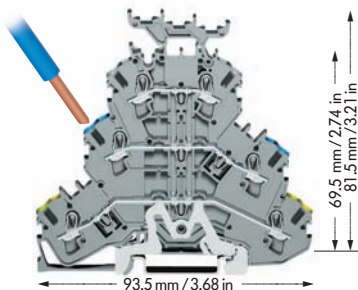
① can be connected: 0.25 mm² – 4 mm² "s + f-st";
can be pushed in directly: 0.75 mm² – 4 mm² "s" and 0.75 mm² – 2.5 mm² "insulated ferrule, 12 mm"



| Item No. | Item No. | Pack.-unit pcs | Item No. | Item No. | Pack.-unit pcs |
|---|--------------------|-----------------------|--|------------------|--|
| Triple deck terminal blocks, for DIN 35 rail | | | Triple deck terminal block, for DIN 35 rail | | |
| Through-/through-/through terminal blocks, | | | 6-conductor through terminal block, internal commoning, | | |
| housing color grey | | | housing color grey, conductor entry position colored in violet | | |
| Marking carrier with | | without | Marking carrier with | | without |
| L/L/L | 2002-3231 | 2002-3201 50 | L | 2002-3238 | 2002-3208 50 |
| L/L/N | 2002-3233 | 2002-3203 50 | 6-conductor through terminal block, | | |
| Housing color blue | | | internal commoning, housing color blue, | | |
| N/N/N | 2002-3234 ② | 2002-3204 ② 50 | N | | 2002-3239 ② 2002-3209 ② 50 |
| ④ applications are being prepared | | | ④ applications are being prepared | | |
| ② Suitable for Ex i applications | | | ② Suitable for Ex i applications | | |



① can be connected: 0.25 mm² – 4 mm² "s + f-st";
can be pushed in directly: 0.75 mm² – 4 mm² "s" and 0.75 mm² – 2.5 mm² "insulated ferrule, 12 mm"



| Item No. | Item No. | Pack.-unit pcs | Item No. | Item No. | Pack.-unit pcs | Item No. | Item No. | Pack.-unit pcs |
|--|------------------|---------------------|---|------------------|---------------------|--|------------------|---------------------|
| Triple deck terminal blocks, for DIN 35 rail | | | Triple deck terminal block, for DIN 35 rail | | | Triple deck terminal block, for DIN 35 rail | | |
| Ground (earth)/through/through terminal blocks, | | | Shield (screen)/through/through terminal blocks, | | | 6-conductor ground (earth) terminal block, | | |
| housing color grey | | | housing color grey | | | internal commoning | | |
| Marking carrier with | | without | Marking carrier with | | without | Marking carrier with | | without |
| PE/N/L | 2002-3247 | 2002-3217 50 | Schirm/N/L | 2002-3248 | 2002-3218 50 | PE | 2002-3237 | 2002-3207 50 |
| PE/L/L | 2002-3257 | 2002-3227 50 | Schirm/L/L | 2002-3258 | 2002-3228 50 | | | |
| ④ applications are being prepared | | | ④ applications are being prepared | | | ④ applications are being prepared | | |

Accessories

Appropriate marking system **WMB/marker strips/WMB Inline** (see page 38 to 39)

| | | |
|---|---|--|
| End and intermediate plate, 0.8 mm/0.032 in thick orange 2002-3292 100 (4 x 25) grey 2002-3291 100 (4 x 25) | Two-way marking adapter, pivotable 2002-121 50 (4 x 25) | Protective warning marker, with high voltage symbol, for 5 terminal blocks yellow 2002-115 100 (4 x 25) |
| Push-in type jumper bars, light grey, insulated, I_N 2-way 2002-402 200 (8 x 25) 3-way 2002-403 200 (8 x 25) 4-way 2002-404 200 (8 x 25) 5-way 2002-405 100 (4 x 25) : 10-way 2002-410 100 (4 x 25) | Push-in type jumper bars, light grey, insulated, I_N 1 - 3 2002-433 200 (8 x 25) 1 - 4 2002-434 200 (8 x 25) 1 - 5 2002-435 100 (4 x 25) : 1 - 10 2002-440 100 (4 x 25) | Marker strips, white, plain, for central marking, 11 mm/0.433 in wide, on roll 50 m 2009-110 1 300 m 2009-130 1 |
| Insulation stop, see page 17 | | |

* For further approvals with corresponding ratings see page 49.

TOPJOB[®]S

Multilevel Installation Terminal Blocks 4 mm²/AWG 12

Series 2003

0.25 – 2.5 (4) mm² ① AWG 22 – 12
250 V/4 kV ②/3 400 V/6 kV ③/3
32 A

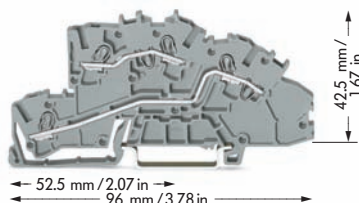
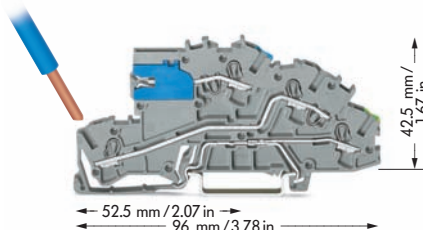
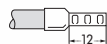
Terminal block width 5.2 mm / 0.205 in
10 – 12 mm / 0.43 in

0.25 – 2.5 (4) mm² ① AWG 22 – 12
400 V/6 kV/3
32 A

Terminal block width 5.2 mm / 0.205 in
10 – 12 mm / 0.43 in

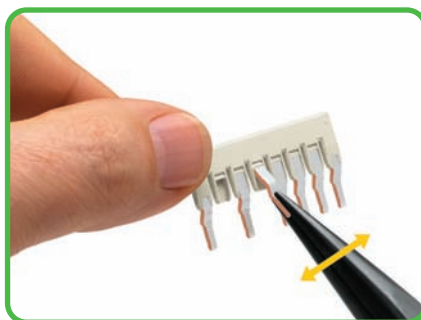
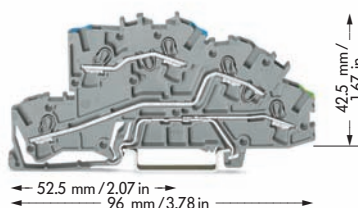
Accessories for
2003 Series multilevel installation
terminal blocks and
2002/2006/2016 Series N-conductor
disconnect terminal blocks

① can be connected: 0.25 mm² – 4 mm² "s + f-st";
can be pushed in directly: 0.75 mm² – 4 mm² "s" and
0.75 mm² – 2.5 mm² "insulated ferrule, 12 mm"



| Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs |
|--|----------------|--|----------------|
| Multilevel installation terminal block, grey with N-disconnect slide link | | Multilevel installation terminal blocks, grey | |
| NT/L/PE | 2003-7641 | L/L | 2003-7642 |
| | 50 | N/L | 2003-7649 |
| | | | 50 |

② Potential-Ground ③ Potential-Potential



Staggered jumper with 7 contacts
Breaking off contact lugs

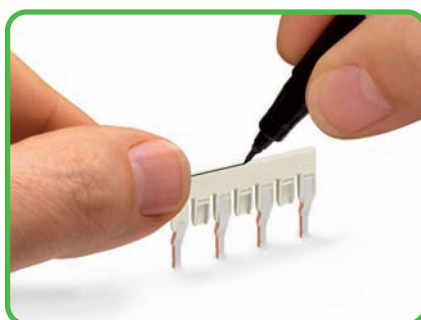
| Item No. | Pack.-unit pcs |
|--|----------------|
| Multilevel installation terminal blocks, grey | |
| N/L/PE | 2003-7646 |
| L/L/PE | 2003-7645 |

Commoning using staggered jumpers

Individual jumper contacts can be broken off by bending them. The remaining piece of insulation meets the requirements for the air and creepage distance.

This makes it possible to create custom staggered jumpers, e.g. for bridging over a terminal block with a different potential. When creating the jumpers, make sure that only one contact lug is in contact with the terminal block.

That way, staggered jumpers are created whose contact lugs will make contact to the terminal block in the gaps of the second jumper. Insert the jumper into the jumper slot up to the stop.



Staggered jumper 1 – 3 – 5 – 7
Marking with a felttip pen



Two staggered jumpers 1 – 3 – 5 – 7
staggered for use in a jumper slot






Locate red stripes of the staggered jumpers on the inside

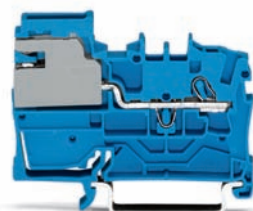
| | Item No. | Pack.-unit pcs |
|---|-----------|----------------|
| End and intermediate plate , 1 mm / 0.039 in thick orange | 2003-7692 | 100 (4 x 25) |
| Busbar carrier , for DIN rail 35 (not suitable for use as end stop) 1.5 mm / 0.059 in thick blue | 2009-304 | 100 (4 x 25) |
| Busbar carrier with end stop function and detachable separator plate , for DIN rail 35; 7.5 mm / 0.295 in thick blue | 2009-305 | 25 |
| N-busbar, tinned Copper 10 mm x 3 mm, I _N 140 A, 1000 mm / 39.37 in long | 210-133 | 1 |
| Cover for N-busbar transparent 1000 mm / 39.37 in long | 777-303 | 1 |
| Neutral supply terminal block , I _N 76 A, 16 mm ² , blue 12 mm wide | 2016-7114 | 25 |
| Ground (earth) supply terminal block , I _N 76 A, 16 mm ² , green-yellow, 12mm wide | 2016-1207 | 20 |
| Connector , with blue cover, for N-busbar 2.5 mm ² – 16 mm ² | 210-281 | 100 (2 x 50) |
| Connector , uninsulated, for N-busbar 2.5 mm ² – 35 mm ² | 209-105 | 50 (2 x 25) |
| Push-in type jumper bars , light grey, insulated, I _N 25 A | | |
| 2-way | 2002-402 | 200 (8 x 25) |
| 3-way | 2002-403 | 200 (8 x 25) |
| 4-way | 2002-404 | 200 (8 x 25) |
| 5-way | 2002-405 | 100 (4 x 25) |
| : | : | : |
| 10-way | 2002-410 | 100 (4 x 25) |
| Push-in type jumper bars , light grey, insulated, I _N 25 A | | |
| 1 - 3 | 2002-433 | 200 (8 x 25) |
| 1 - 4 | 2002-434 | 200 (8 x 25) |
| 1 - 5 | 2002-435 | 100 (4 x 25) |
| : | : | : |
| 1 - 10 | 2002-440 | 100 (4 x 25) |
| Staggered jumper , light grey, insulated, I _N 25 A | | |
| 2-way | 2002-472 | 100 (4 x 25) |
| 3-way | 2002-473 | 100 (4 x 25) |
| 4-way | 2002-474 | 100 (4 x 25) |
| 5-way | 2002-475 | 50 (2 x 25) |
| : | : | : |
| 12-way | 2002-482 | 50 (2 x 25) |
| Test plug , 2 mm / 0.079 in Ø | 210-136 | 50 (5 x 10) |
| Test plug adapter , for test plug 4 mm / 0.157 in Ø | 2009-174 | 100 (4 x 25) |
| Testing tap , for max. 2.5 mm ² | 2009-182 | 100 (4 x 25) |

Examples of circuit configuration with staggered jumpers see page 48

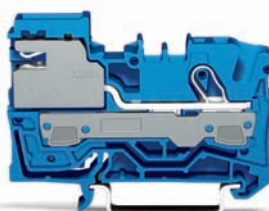
TOPJOB®S

N-Disconnect Terminal Blocks and Power Distribution Disconnect Terminal Blocks Series 2002, 2006 and 2016

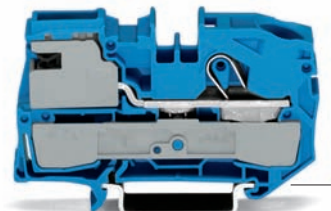
| | | |
|---|---|---|
| 0.25 – 2.5 (4) mm² ① AWG 22 – 12 250 V/4 kV/3 32 A Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in | 0.5 – 6 (10) mm² ① AWG 20 – 8 250 V/4 kV/3 51 A Terminal block width 7,5 mm / 0.295 in  13 – 15 mm / 0.55 in | 0.5 – 16 (25 "f") mm² ① AWG 20 – 4 250 V/4 kV/3 76 A Terminal block width 12 mm / 0.472 in  18 – 20 mm / 0.75 in |
|---|---|---|



← 35.5 mm / 1.4 in →
← 56 mm / 2.2 in →

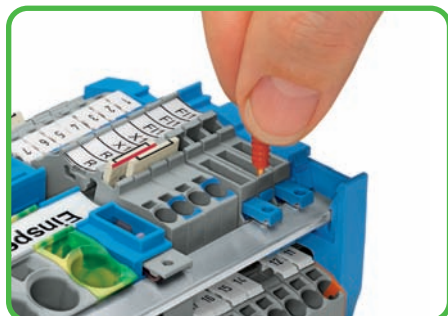


← 35.5 mm / 1.4 in →
← 60 mm / 2.36 in →



← 37 mm / 1.46 in →
← 69 mm / 2.72 in →

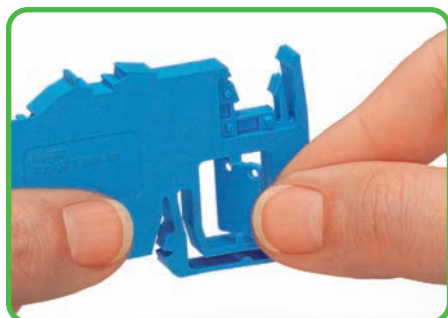
| Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs |
|--|----------------|--|----------------|--|----------------|
| 1-conductor N-disconnect terminal block | | 1-conductor N-disconnect terminal block | | 1-conductor N-disconnect terminal block | |
| blue | 2002-7114 ② | 50 | blue | 2006-7114 ② | 50 |
| 1-conductor power distribution disconnect terminal block | | 1-conductor power distribution disconnect terminal block | | 1-conductor power distribution disconnect terminal block | |
| grey | 2002-7111 ③ | 50 | grey | 2006-7111 ③ | 50 |
| End and intermediate plate, 0.8 mm / 0.031 in thick | | End and intermediate plate, 1 mm / 0.039 in thick | | End and intermediate plate, 1 mm / 0.039 in thick | |
| orange | 2002-7192 | 100 (4 x 25) | orange | 2006-7192 | 100 (4 x 25) |
| For appropriate through and earth conductor terminal blocks see page 17 | | For appropriate through and earth conductor terminal blocks see page 17 | | For appropriate through and earth conductor terminal blocks see page 17 | |



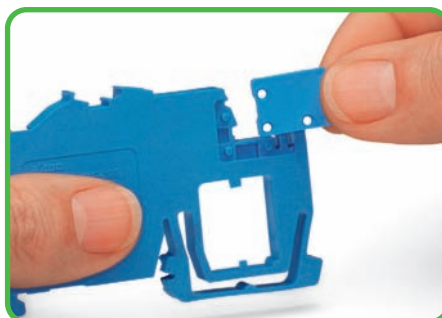
Testing with test plug Ø 2 mm



Operation of the slide link using a simple screwdriver



Removing the separator plate from the busbar carrier.



Insertion of the separator plate. To protect the N-busbar against accidental contact

① see also appropriate through terminal blocks

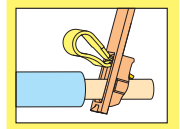
② For the construction and operation of power installations in fire hazardous locations or public buildings, such as meeting places, stores, hospitals, schools, theaters, hotels etc., the VDE 0100 or VDE 0108-1 standards must be observed. VDE 0100-482 must be observed for fire hazardous locations. Both VDE regulations determine that insulation testing must be possible for every circuit without disconnecting the N-conductor.

WAGO N-disconnect terminal blocks meet this requirement.

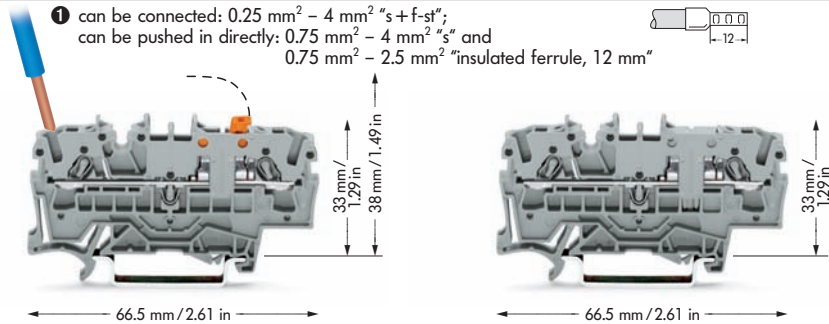
③ According to VDE 0107 "Installing and testing electrical installations in medical locations", the equipotential bonding conductors must be connected to a potential equalization busbar. The potential equalization busbar and the protective earth conductor busbar must be accommodated in a common housing and be connected by means of a disconnectable connection using a copper conductor with a minimum cross section of 16 mm². Furthermore, all equipotential bonding conductors must be connected to the potential equalization busbar in such a way that they are clearly arranged, that they can be disconnected individually and accessed at any time and, depending on their function, they must be provided with captive marking. The WAGO power distribution disconnect terminal blocks meet these requirements.

TOPJOB®S

Disconnect Terminal Blocks for Test and Measurement with Movable Knife Disconnect and Through Terminal Blocks, Series 2002



| | |
|--|--|
| 0.25 – 2.5 (4) mm² ① AWG 22 – 12 400 V/6 kV/3 16 A Terminal block width 5.2 mm / 0.205 in 10 – 12 mm / 0.43 in | 0.25 – 2.5 (4) mm² ① AWG 22 – 12 400 V/6 kV/3 16 A Terminal block width 5.2 mm / 0.205 in 10 – 12 mm / 0.43 in |
|--|--|



available
August 2006

| Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs |
|---|--------------------|--|--------------------|
| 2-conductor disconnect terminal block for test and measurement | | 2-conductor through terminal blocks, same profile as disconnect terminal block | |
| grey | 2002-1671 ● | grey | 2002-1601 ● |
| blue | 2002-1674 ● | blue | 2002-1604 ● |
| orange | 2002-1672 ● | orange | 2002-1602 ● |

Item-specific accessories

| | |
|--|--|
| End and intermediate plate, 1 mm/0.039 in thick orange 2002-1692 100 (4 x 25) grey 2002-1691 100 (4 x 25) | End and intermediate plate, 1 mm/0.039 in thick orange 2002-1692 100 (4 x 25) grey 2002-1691 100 (4 x 25) |
|--|--|



Accessories Series 2002

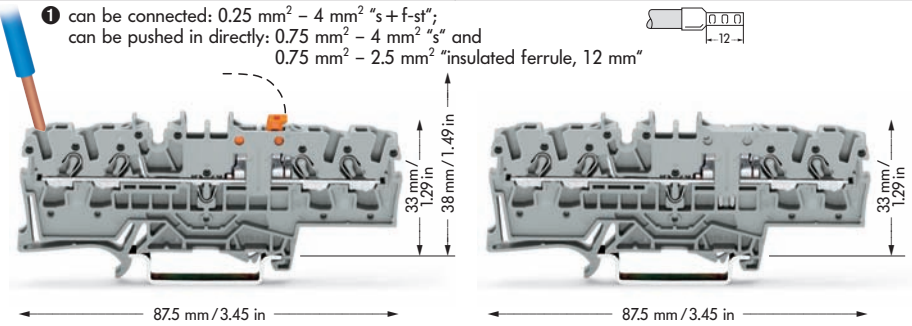
appropriate marker system **WMB/Marker strips/WMB Inline** (see pages 38 to 39)

| | |
|--|--|
| Insulation stop, 5 pcs/strip 200 strips light grey 2002-171 0.25-0.5 mm ² dark grey 2002-172 0.75-1 mm ² | Protective warning marker, for 5 terminal blocks yellow 2002-115 100 (4 x 25) |
| Push-in type jumper bars, light grey, insulated, I_N 25 A 2-way 2002-402 200 (8 x 25) 3-way 2002-403 200 (8 x 25) 4-way 2002-404 200 (8 x 25) 5-way 2002-405 100 (4 x 25) : 10-way 2002-410 100 (4 x 25) | Staggered jumper, light grey, insulated, I_N 25 A 2-way 2002-472 100 (4 x 25) 3-way 2002-473 100 (4 x 25) 4-way 2002-474 100 (4 x 25) 5-way 2002-475 50 (2 x 25) : 12-way 2002-482 50 (2 x 25) |
| Push-in type jumper bars, light grey, insulated, I_N 25 A 1 - 3 2002-433 200 (8 x 25) 1 - 4 2002-434 200 (8 x 25) 1 - 5 2002-435 100 (4 x 25) : 1 - 10 2002-440 100 (4 x 25) | Test plug adapter, for test plug 4 mm/0.157 in Ø 2009-174 100 (4 x 25) |
| Modular TOPJOB®S connector**, for jumper contact slot 1 pole 2002-511 100 (4 x 25) | Testing tap, for max. 2.5 mm² 2009-182 100 (4 x 25) |
| Spacer, modular 2002-549 100 (4 x 25) | Two-way marking adapter, pivotable 2002-121 50 (4 x 25) |
| Test plug, with cable 500 mm/17.7" 2 mm/0.079 in Ø red 210-136 50 (5 x 10) | |







TOPJOB®S

Disconnect Terminal Blocks for Test and Measurement with Movable Knife Disconnect and Through Terminal Blocks, Series 2002

| | |
|---|--|
| 0.25 – 2.5 (4) mm² ① AWG 22 – 12 400 V/6 kV/3 16 A Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in | 0.25 – 2.5 (4) mm² ① AWG 22 – 12 400 V/6 kV/3 16 A Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in |
|---|--|



available
August 2006

| Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs |
|---|--|--|--|
| 4-conductor disconnect terminal block for test and measurement | | 4-conductor through terminal blocks, same profile as disconnect terminal block | |
| grey | 2002-1871  | grey | 2002-1801  |
| blue | 2002-1874  | blue | 2002-1804  |
| orange | 2002-1872  | orange | 2002-1802  |

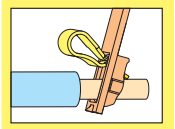
Item-specific accessories

| | |
|--|--|
| End and intermediate plate, 1 mm / 0.039 in thick orange 2002-1892 100 (4 x 25) grey 2002-1891 100 (4 x 25) | End and intermediate plate, 1 mm / 0.039 in thick orange 2002-1892 100 (4 x 25) grey 2002-1891 100 (4 x 25) |
|--|--|

Accessories Series 2002

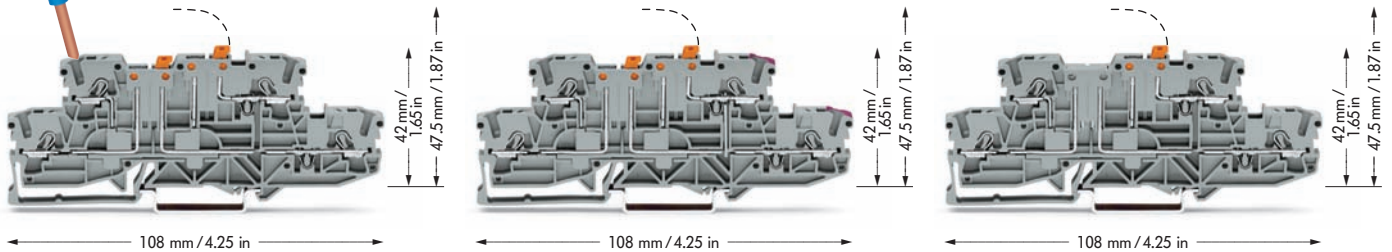
appropriate marker system **WMB/Marker strips/WMB Inline** (see pages 38 to 39)

| | |
|---|---|
| Insulation stop, 5 pcs/strip 200 strips light grey 2002-171 0.25-0.5 mm ² dark grey 2002-172 0.75-1 mm ² | Protective warning marker, for 5 terminal blocks yellow 2002-115 100 (4 x 25) |
| Push-in type jumper bars, light grey, insulated, I_N 25 A 2-way 2002-402 200 (8 x 25) 3-way 2002-403 200 (8 x 25) 4-way 2002-404 200 (8 x 25) 5-way 2002-405 100 (4 x 25) : : 10-way 2002-410 100 (4 x 25) | Staggered jumper, light grey, insulated, I_N 25 A 2-way 2002-472 100 (4 x 25) 3-way 2002-473 100 (4 x 25) 4-way 2002-474 100 (4 x 25) 5-way 2002-475 50 (2 x 25) : : 12-way 2002-482 50 (2 x 25) |
| Push-in type jumper bars, light grey, insulated, I_N 25 A 1 - 3 2002-433 200 (8 x 25) 1 - 4 2002-434 200 (8 x 25) 1 - 5 2002-435 100 (4 x 25) : : 1 - 10 2002-440 100 (4 x 25) | Test plug adapter, for test plug 4 mm / 0.157 in Ø 2009-174 100 (4 x 25) |
| Modular TOPJOB®S connector**, for jumper contact slot 1 pole 2002-511 100 (4 x 25) | Testing tap, for max. 2.5 mm² 2009-182 100 (4 x 25) |
| Spacer, modular 2002-549 100 (4 x 25) | Two-way marking adapter, pivotable 2002-121 50 (4 x 25) |
| Test plug, with cable 500 mm / 17.7" 2 mm / 0.079 in Ø red 210-136 50 (5 x 10) | |



| | | |
|---|---|---|
| <p>0.25 – 2.5 (4) mm² ① AWG 22 – 12 400 V/6 kV/3 16 A</p> <p>Terminal block width 5.2 mm / 0.205 in 10 – 12 mm / 0.43 in</p> | <p>0.25 – 2.5 (4) mm² ① AWG 22 – 12 400 V/6 kV/3 16 A</p> <p>Terminal block width 5.2 mm / 0.205 in 10 – 12 mm / 0.43 in</p> | <p>0.25 – 2.5 (4) mm² ① AWG 22 – 12 400 V/6 kV/3 16 A</p> <p>Terminal block width 5.2 mm / 0.205 in 10 – 12 mm / 0.43 in</p> |
|---|---|---|

① can be connected: 0.25 mm² – 4 mm² "s + f-st";
can be pushed in directly: 0.75 mm² – 4 mm² "s" and 0.75 mm² – 2.5 mm² "insulated ferrule, 12 mm"



| Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs |
|--|--------------------|---|--------------------|---|--------------------|
| 4-conductor double deck double disconnect terminal blocks | | 4-conductor double deck double disconnect terminal blocks, lower deck and upper deck internally commoned on right side and with violet marking | | 4-conductor double deck double disconnect terminal blocks, with disconnect on upper deck only, same profile as double deck double disconnect terminal blocks | |
| grey | 2002-2951 ● | grey | 2002-2958 ● | grey | 2002-2971 ● |
| blue | 2002-2954 ● | blue | 2002-2959 ● | blue | 2002-2974 ● |
| grey N/L | 2002-2952 ● | | | grey N/L | 2002-2972 ● |

Item-specific accessories

| | | |
|--|--|--|
| <p>End and intermediate plate, 1 mm / 0.039 in thick</p> <p>orange 2002-2992 100 (4 x 25) grey 2002-2991 100 (4 x 25)</p> | <p>End and intermediate plate, 1 mm / 0.039 in thick</p> <p>orange 2002-2992 100 (4 x 25) grey 2002-2991 100 (4 x 25)</p> | <p>End and intermediate plate, 1 mm / 0.039 in thick</p> <p>orange 2002-2992 100 (4 x 25) grey 2002-2991 100 (4 x 25)</p> |
|--|--|--|

Accessories Series 2002



appropriate marker system **WMB/Marker strips/WMB Inline** (see pages 38 to 39)

| | | |
|--|---|--|
| <p>Insulation stop, 5 pcs/strip 200 strips</p> <p>light grey 2002-171 0.25-0.5 mm² dark grey 2002-172 0.75-1 mm²</p> | <p>Protective warning marker, for 5 terminal blocks yellow 2002-115 100 (4 x 25)</p> | <p>Test plug, with cable 500 mm / 17.7" 2 mm / 0.079 in Ø red 210-136 50 (5 x 10)</p> |
| <p>Push-in type jumper bars, light grey, insulated, I_N 25 A</p> <p>2-way 2002-402 200 (8 x 25) 3-way 2002-403 200 (8 x 25) 4-way 2002-404 200 (8 x 25) 5-way 2002-405 100 (4 x 25) : 10-way 2002-410 100 (4 x 25)</p> | <p>Push-in type jumper bars, light grey, insulated, I_N 25 A</p> <p>1 - 3 2002-433 200 (8 x 25) 1 - 4 2002-434 200 (8 x 25) 1 - 5 2002-435 100 (4 x 25) : 1 - 10 2002-440 100 (4 x 25)</p> | <p>Staggered jumper, light grey, insulated, I_N 25 A</p> <p>2-way 2002-472 100 (4 x 25) 3-way 2002-473 100 (4 x 25) 4-way 2002-474 100 (4 x 25) 5-way 2002-475 50 (2 x 25) : 12-way 2002-482 50 (2 x 25)</p> |
| <p>Modular TOPJOB®S connector**, for jumper contact slot 1 pole 2002-511 100 (4 x 25)</p> | <p>Test plug adapter, for test plug 4 mm / 0.157 in Ø 2009-174 100 (4 x 25)</p> | |
| <p>Spacer, modular 2002-549 100 (4 x 25)</p> | <p>Testing tap, for max. 2.5 mm² 2009-182 100 (4 x 25)</p> | |

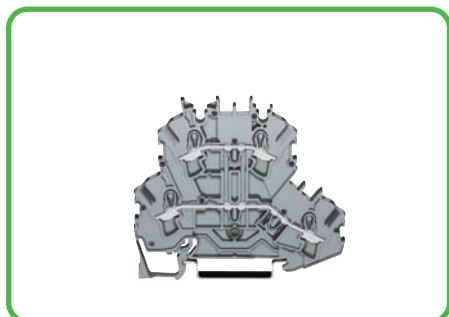
TOPJOB®S

Double Deck Diode Terminal Blocks / Double Deck LED Terminal Blocks

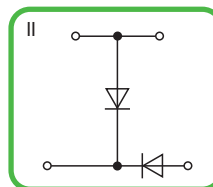
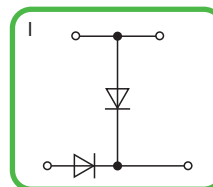
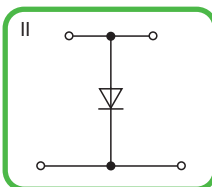
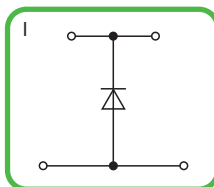
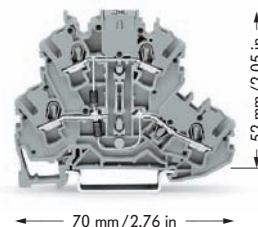
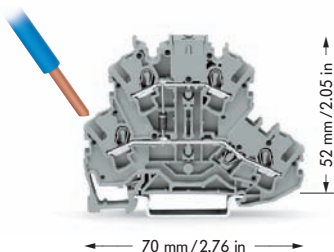
2.5 mm²/4 mm² / AWG 12, Series 2002

| | |
|---|---|
| <p>0.25 – 2.5 (4) mm² ① AWG 22 – 12 U_N 250 V; U_{RM} 1000 V 1 N 4007 – 0.5 A continuous current</p> <p>Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in</p> | <p>0.25 – 2.5 (4) mm² ① AWG 22 – 12 U_N 250 V; U_{RM} 1000 V 1 N 4007 – 0.5 A continuous current</p> <p>Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in</p> |
|---|---|

① can be connected: 0.25 mm² – 4 mm² "s+f-st";
 can be pushed in directly: 0.75 mm² – 4 mm² "s" and
 0.75 mm² – 2.5 mm² "insulated ferrule, 12 mm"







Through terminal blocks with the same shape see page 26



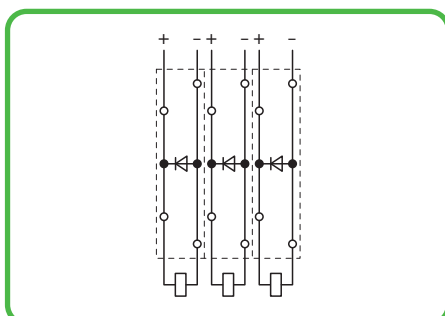
| Description | Item No. | Pack. unit pcs | Item No. | Pack. unit pcs |
|--|--|----------------------------|---|----------------------------|
| Double deck diode terminal block | Double deck diode terminal blocks with diode 1 N 4007 | | Double deck diode terminal blocks with 2 diodes 1 N 4007 | |
| and | Circuit I, grey | 2002-2211/1000-0410 | 50 | Circuit I, grey |
| double deck LED terminal block, for DIN 35 rail | Circuit II, grey | 2002-2211/1000-0411 | 50 | Circuit II, grey |
| | | | | 2002-2214/1000-0492 |
| | | | | 50 |
| | | | | 2002-2214/1000-0491 |
| | | | | 50 |

Accessories

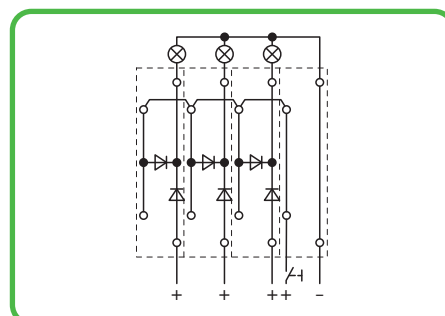
Appropriate marking system **WMB/WMB Inline** (see pages 38 to 39)

| | End and intermediate plate | 0.8 mm / 0.031 in thick | | 0.8 mm / 0.031 in thick |
|---|--|-------------------------|-----------------|-------------------------|
|  | orange | 2002-2292 | 100 (4 x 25) | orange |
| | grey | 2002-2291 | 100 (4 x 25) | grey |
|  | Push-in type jumper bars, light grey, insulated, I_N 25 A | 2-way | 2002-402 | 200 (8 x 25) |
| | | 3-way | 2002-403 | 200 (8 x 25) |
| | | 4-way | 2002-404 | 200 (8 x 25) |
| | | 5-way | 2002-405 | 100 (4 x 25) |
| | | : | : | : |
| | | 10-way | 2002-410 | 100 (4 x 25) |
|  | Push-in type jumper bars, light grey, insulated, I_N 25 A | 1 - 3 | 2002-433 | 200 (8 x 25) |
| | | 1 - 4 | 2002-434 | 200 (8 x 25) |
| | | 1 - 5 | 2002-435 | 100 (4 x 25) |
| | | : | : | : |
| | | 1 - 10 | 2002-440 | 100 (4 x 25) |
| | | 1 - 10 | 2002-440 | 100 (4 x 25) |
|  | Two-way marking adapter, pivotable | | 2002-121 | 50 (2 x 25) |
| | | | 2002-121 | 50 (2 x 25) |

Examples of circuit configuration

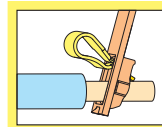


Used as recovery diodes

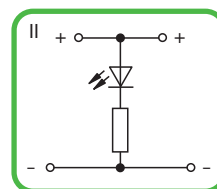
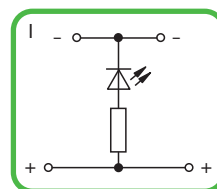
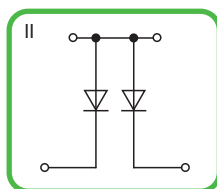
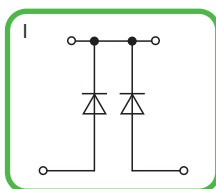
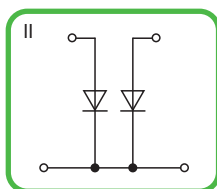
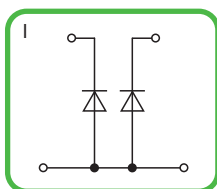
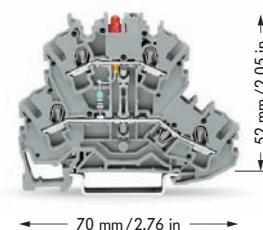
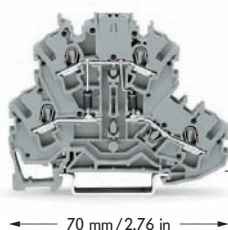
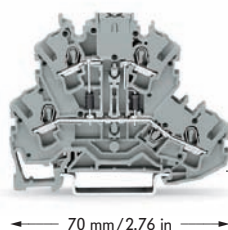


Used in lamp test circuit

available
July 2006



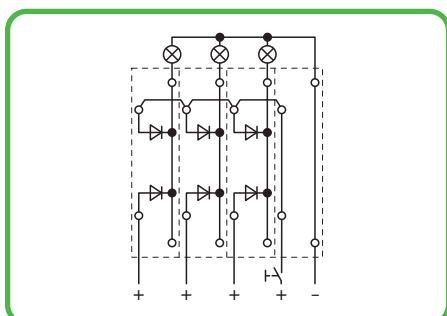
| | | |
|--|--|--|
| <p>0.25 – 2.5 (4) mm² ① AWG 22 – 12 U_N 250 V; U_{RM} 1000 V 1 N 4007 – 0.5 A continuous current</p> <p>Terminal block width 5.2 mm / 0.205 in 10 – 12 mm / 0.43 in</p> | <p>0.25 – 2.5 (4) mm² ① AWG 22 – 12 U_N 250 V; U_{RM} 1000 V 1 N 4007 – 0.5 A continuous current</p> <p>Terminal block width 5.2 mm / 0.205 in 10 – 12 mm / 0.43 in</p> | <p>0.25 – 2.5 (4) mm² ① AWG 22 – 12 DC 24 V I_f 25 mA max.</p> <p>Terminal block width 5.2 mm / 0.205 in 10 – 12 mm / 0.43 in</p> |
|--|--|--|



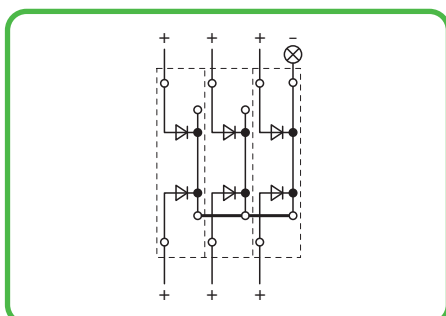
| Item No. | Pack. unit pcs | Item No. | Pack. unit pcs | Item No. | Pack. unit pcs |
|---|-------------------------------|---|-------------------------------|--|-------------------------------|
| Double deck diode terminal blocks with 2 diodes 1 N 4007 | | Double deck diode terminal blocks with 2 diodes 1 N 4007 | | Double deck LED terminal blocks with red LED, DC 24 V | |
| Circuit I, grey | 2002-2213/1000-0487 50 | Circuit I, grey | 2002-2214/1000-0489 50 | Circuit I, grey | 2002-2221/1000-0434 50 |
| Circuit II, grey | 2002-2213/1000-0488 50 | Circuit II, grey | 2002-2214/1000-0490 50 | Circuit II, grey | 2002-2221/1000-0413 50 |

Appropriate marking system **WMB/WMB Inline** (see pages 38 to 39)

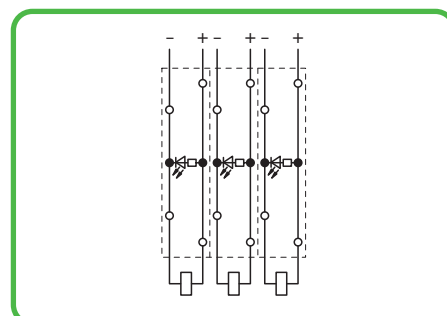
| 0.8 mm / 0.031 in thick | | | 0.8 mm / 0.031 in thick | | | 0.8 mm / 0.031 in thick | | |
|-------------------------|------------------|--------------|-------------------------|------------------|--------------|-------------------------|------------------|--------------|
| orange | 2002-2292 | 100 (4 x 25) | orange | 2002-2292 | 100 (4 x 25) | orange | 2002-2292 | 100 (4 x 25) |
| grey | 2002-2291 | 100 (4 x 25) | grey | 2002-2291 | 100 (4 x 25) | grey | 2002-2291 | 100 (4 x 25) |
| 2-way | 2002-402 | 200 (8 x 25) | 2-way | 2002-402 | 200 (8 x 25) | 2-way | 2002-402 | 200 (8 x 25) |
| 3-way | 2002-403 | 200 (8 x 25) | 3-way | 2002-403 | 200 (8 x 25) | 3-way | 2002-403 | 200 (8 x 25) |
| 4-way | 2002-404 | 200 (8 x 25) | 4-way | 2002-404 | 200 (8 x 25) | 4-way | 2002-404 | 200 (8 x 25) |
| 5-way | 2002-405 | 100 (4 x 25) | 5-way | 2002-405 | 100 (4 x 25) | 5-way | 2002-405 | 100 (4 x 25) |
| : | : | | : | : | | : | : | |
| 10-way | 2002-410 | 100 (4 x 25) | 10-way | 2002-410 | 100 (4 x 25) | 10-way | 2002-410 | 100 (4 x 25) |
| 1 - 3 | 2002-433 | 200 (8 x 25) | 1 - 3 | 2002-433 | 200 (8 x 25) | 1 - 3 | 2002-433 | 200 (8 x 25) |
| 1 - 4 | 2002-434 | 200 (8 x 25) | 1 - 4 | 2002-434 | 200 (8 x 25) | 1 - 4 | 2002-434 | 200 (8 x 25) |
| 1 - 5 | 2002-435 | 100 (4 x 25) | 1 - 5 | 2002-435 | 100 (4 x 25) | 1 - 5 | 2002-435 | 100 (4 x 25) |
| : | : | | : | : | | : | : | |
| 1 - 10 | 2002-440 | 100 (4 x 25) | 1 - 10 | 2002-440 | 100 (4 x 25) | 1 - 10 | 2002-440 | 100 (4 x 25) |
| | 2002-121 | 50 (2 x 25) | | 2002-121 | 50 (2 x 25) | | 2002-121 | 50 (2 x 25) |



Used in lamp test circuit



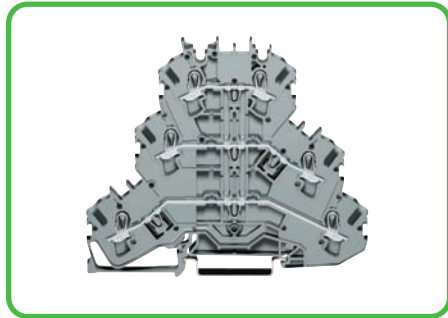
Used for collective fault indication



Used for voltage indication

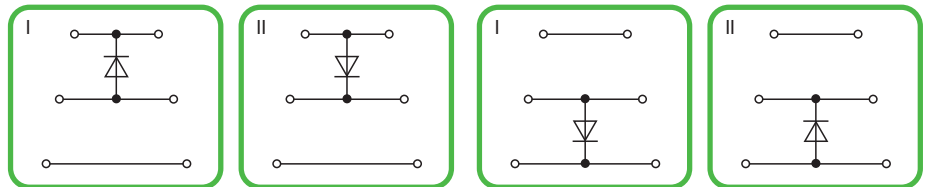
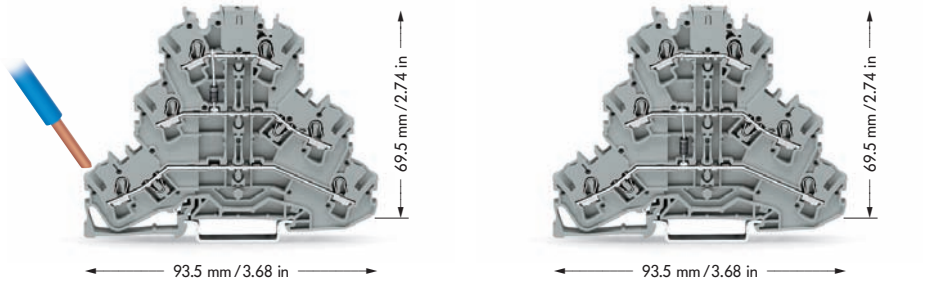
Triple Deck Diode Terminal Blocks / Triple Deck LED Terminal Blocks
2.5 mm²/4 mm² / AWG 12, Series 2002

| | |
|--|--|
| <p>0.25 – 2.5 (4) mm² ① AWG 22 – 12 U_N 250 V; U_{RM} 1000 V 1 N 4007 – 0.5 A continuous current</p> <p>Terminal block width 5.2 mm / 0.205 in 10 – 12 mm / 0.43 in</p> | <p>0.25 – 2.5 (4) mm² ① AWG 22 – 12 U_N 250 V; U_{RM} 1000 V 1 N 4007 – 0.5 A continuous current</p> <p>Terminal block width 5.2 mm / 0.205 in 10 – 12 mm / 0.43 in</p> |
|--|--|



Through terminal blocks with the same shape see page 27

① can be connected: 0.25 mm² – 4 mm² "s + f-st";
 can be pushed in directly: 0.75 mm² – 4 mm² "s" and 0.75 mm² – 2.5 mm² "insulated ferrule, 12 mm"



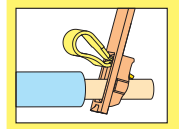
| Description | Item No. | Pack. unit pcs | Item No. | Pack. unit pcs |
|--|--|-------------------------------|--|-------------------------------|
| Triple deck diode terminal block | Triple deck diode terminal blocks with diode 1 N 4007 | | Triple deck diode terminal blocks with diode 1 N 4007 | |
| and | Circuit I, grey | 2002-3211/1000-0410 50 | Circuit I, grey | 2002-3211/1000-0675 50 |
| Triple deck LED terminal block, for DIN 35 rail | Circuit II, grey | 2002-3211/1000-0411 50 | Circuit II, grey | 2002-3211/1000-0676 50 |



Accessories

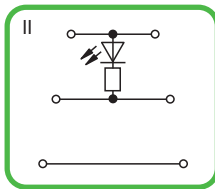
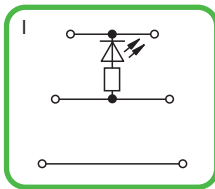
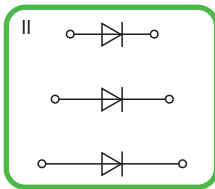
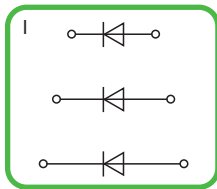
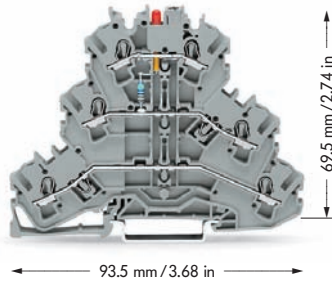
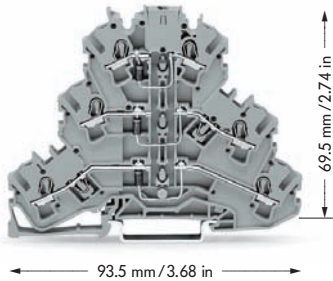
Appropriate marking system **WMB/WMB Inline** (see pages 38 to 39)

| | | 0.8 mm / 0.031 in thick | | 0.8 mm / 0.031 in thick | |
|--|--|-------------------------|---|-------------------------|-------------------------------|
| | End and intermediate plate | orange | 2002-3292 100 (4 x 25) | orange | 2002-3292 100 (4 x 25) |
| | | grey | 2002-3291 100 (4 x 25) | grey | 2002-3291 100 (4 x 25) |
| | Push-in type jumper bars, light grey, insulated, I_N 25 A | 2-way | 2002-402 200 (8 x 25) | 2-way | 2002-402 200 (8 x 25) |
| | | 3-way | 2002-403 200 (8 x 25) | 3-way | 2002-403 200 (8 x 25) |
| | | 4-way | 2002-404 200 (8 x 25) | 4-way | 2002-404 200 (8 x 25) |
| | | 5-way | 2002-405 100 (4 x 25) | 5-way | 2002-405 100 (4 x 25) |
| | | : | : | : | : |
| | | 10-way | 2002-410 100 (4 x 25) | 10-way | 2002-410 100 (4 x 25) |
| | Push-in type jumper bars, light grey, insulated, I_N 25 A | 1 - 3 | 2002-433 200 (8 x 25) | 1 - 3 | 2002-433 200 (8 x 25) |
| | | 1 - 4 | 2002-434 200 (8 x 25) | 1 - 4 | 2002-434 200 (8 x 25) |
| | | 1 - 5 | 2002-435 100 (4 x 25) | 1 - 5 | 2002-435 100 (4 x 25) |
| | | : | : | : | : |
| | | 1 - 10 | 2002-440 100 (4 x 25) | 1 - 10 | 2002-440 100 (4 x 25) |
| | | | Two-way marking adapter, pivotable | | 2002-131 50 (2 x 25) |

available
July 2006



| | |
|---|---|
| <p>0.25 – 2.5 (4) mm² ① AWG 22 – 12 U_N 250 V; U_{RM} 1000 V I_N 4007 – 0.5 A continuous current</p> <p>Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in</p> | <p>0.25 – 2.5 (4) mm² ① AWG 22 – 12 DC 24 V I_F 25 mA max.</p> <p>Terminal block width 5.2 mm / 0.205 in  10 – 12 mm / 0.43 in</p> |
|---|---|



| Item No. | Pack. unit pcs | Item No. | Pack. unit pcs |
|--|-------------------------------|--|-------------------------------|
| Triple deck diode terminal blocks | | Triple deck LED terminal blocks | |
| with 3 diodes 1 N 4007 | | with red LED, DC 24 V | |
| Circuit I, grey | 2002-3212/1000-0673 50 | Circuit I, grey | 2002-3221/1000-0434 50 |
| Circuit II, grey | 2002-3212/1000-0674 50 | Circuit II, grey | 2002-3221/1000-0413 50 |

Appropriate marking system **WMB/WMB Inline** (see pages 38 to 39)

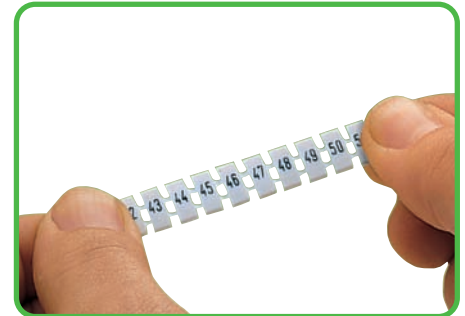
| 0.8 mm / 0.031 in thick | | | 0.8 mm / 0.031 in thick | | |
|-------------------------|------------------|--------------|-------------------------|------------------|--------------|
| orange | 2002-3292 | 100 (4 x 25) | orange | 2002-3292 | 100 (4 x 25) |
| grey | 2002-3291 | 100 (4 x 25) | grey | 2002-3291 | 100 (4 x 25) |
| 2-way | 2002-402 | 200 (8 x 25) | 2-way | 2002-402 | 200 (8 x 25) |
| 3-way | 2002-403 | 200 (8 x 25) | 3-way | 2002-403 | 200 (8 x 25) |
| 4-way | 2002-404 | 200 (8 x 25) | 4-way | 2002-404 | 200 (8 x 25) |
| 5-way | 2002-405 | 100 (4 x 25) | 5-way | 2002-405 | 100 (4 x 25) |
| : | : | | : | : | |
| 10-way | 2002-410 | 100 (4 x 25) | 10-way | 2002-410 | 100 (4 x 25) |
| 1 - 3 | 2002-433 | 200 (8 x 25) | 1 - 3 | 2002-433 | 200 (8 x 25) |
| 1 - 4 | 2002-434 | 200 (8 x 25) | 1 - 4 | 2002-434 | 200 (8 x 25) |
| 1 - 5 | 2002-435 | 100 (4 x 25) | 1 - 5 | 2002-435 | 100 (4 x 25) |
| : | : | | : | : | |
| 1 - 10 | 2002-440 | 100 (4 x 25) | 1 - 10 | 2002-440 | 100 (4 x 25) |
| | 2002-131 | 50 (2 x 25) | | 2002-131 | 50 (2 x 25) |

WAGO Multi Marking System WMB Horizontal Marking

| | | |
|--|--|--|
| | Horizontal marking Consecutive numbers each strip 10 strips with 10 markers per card for terminal block widths 4 – 4.2 mm und 5 – 12 mm | |
|--|--|--|



| Marking per card | Item No. | Item No. | Pack. unit pcs |
|--|--|-------------------|----------------|
| | Marker width | | |
| | 4 – 4.2 mm | 5 – 5.2 mm | |
| 1 ... 10 (10x) | 793-4502 | 793-5502 | 5 cards |
| 11 ... 20 (10x) | 793-4503 | 793-5503 | 5 cards |
| 21 ... 30 (10x) | 793-4504 | 793-5504 | 5 cards |
| 31 ... 40 (10x) | 793-4505 | 793-5505 | 5 cards |
| 41 ... 50 (10x) | 793-4506 | 793-5506 | 5 cards |
| 51 ... 60 (10x) | 793-4569 | 793-5569 | 5 cards |
| 61 ... 70 (10x) | 793-4570 | 793-5570 | 5 cards |
| 71 ... 80 (10x) | 793-4571 | 793-5571 | 5 cards |
| 81 ... 90 (10x) | 793-4572 | 793-5572 | 5 cards |
| 91 ... 100 (10x) | 793-4573 | 793-5573 | 5 cards |
| 1 ... 50 (2x) | 793-4566 | 793-5566 | 5 cards |
| 51 ... 100 (2x) | 793-4507 | 793-5507 | 5 cards |
| 101 ... 150 (2x) | 793-4508 | 793-5508 | 5 cards |
| 151 ... 200 (2x) | 793-4509 | 793-5509 | 5 cards |
| 201 ... 300 (1x) | 793-4510 | 793-5510 | 5 cards |
| 301 ... 400 (1x) | 793-4511 | 793-5511 | 5 cards |
| 401 ... 500 (1x) | 793-4512 | 793-5512 | 5 cards |
| 501 ... 600 (1x) | 793-4513 | 793-5513 | 5 cards |
| 601 ... 700 (1x) | 793-4514 | 793-5514 | 5 cards |
| 701 ... 800 (1x) | 793-4515 | 793-5515 | 5 cards |
| 801 ... 900 (1x) | 793-4516 | 793-5516 | 5 cards |
| 901 ... 1000 (1x) | 793-4517 | 793-5517 | 5 cards |
| 1 ... 9, ; (10x) | 793-4565 | 793-5565 | 5 cards |
| L1, L2, L3, N, PE, L1, L2, L3, N, PE (10x) | 793-4472 | 793-5472 | 5 cards |
| R, S, T, U, V, W, X, Y, Z, Mp (10x) | 793-4544 | 793-5544 | 5 cards |
| A, B, P, N, PE, PEN, L1, L2, L3, ⊕ (10x) | 793-4545 | 793-5545 | 5 cards |
| for double deck terminal blocks | for double deck terminal blocks | | |
| 1, 3, 5, 7, 9, 11, ... 99 und 2, 4, 6, 8, 10, 12, ... 100 (1x) | – | 793-5599 | 5 cards |
| for triple deck terminal blocks | for triple deck terminal blocks | | |
| 1, 4, 7, ... 99 (1x) | – | 794-5557 | 5 cards |
| 100, 103, 106, ... 198 (1x) | – | 794-5558 | 5 cards |
| | WMB Inline | 2009-115 | |
| | (see page 40) | | |



Stretching of a strip, stretchable from 4 mm up to 4.2 mm for series 2001 stretchable from 5 mm up to 5.2 mm for series 2002

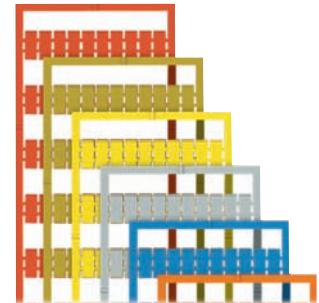
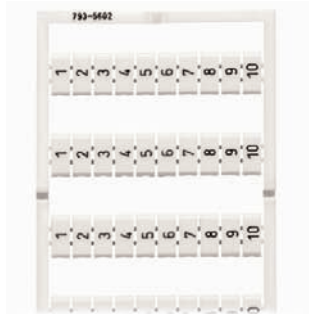


Separation of an individual marker from the strip, for series > 2002

WAGO Multi Marking System WMB Vertical Marking

Colored Marker Cards

| | | |
|--|--|--|
| | Vertical marking Consecutive numbers each strip 10 strips with 10 markers per card for terminal block widths 4 – 4.2 mm und 5 – 12 mm | |
|--|--|--|



| Marking per card | Item No. | Item No. | Pack. unit pcs | Color | Item No. |
|--|--|-------------------|----------------|---|-------------------------|
| | Marker width | | | Colored marker cards | |
| | 4 – 4.2 mm | 5 – 5.2 mm | | All the markings shown are also available with black printing on colored marker cards. | |
| 1 ... 10 (10x) | 793-4602 | 793-5602 | 5 cards | | |
| 11 ... 20 (10x) | 793-4603 | 793-5603 | 5 cards | Add. item no. for colored marker cards | |
| 21 ... 30 (10x) | 793-4604 | 793-5604 | 5 cards | yellow | .../000-002 |
| 31 ... 40 (10x) | 793-4605 | 793-5605 | 5 cards | red | .../000-005 |
| 41 ... 50 (10x) | 793-4606 | 793-5606 | 5 cards | blue | .../000-006 |
| 51 ... 60 (10x) | 794-4601 | 794-5601 | 5 cards | grey | .../000-007 |
| 61 ... 70 (10x) | 794-4602 | 794-5602 | 5 cards | orange | .../000-012 |
| 71 ... 80 (10x) | 794-4603 | 794-5603 | 5 cards | light green | .../000-017 |
| 81 ... 90 (10x) | 794-4604 | 794-5604 | 5 cards | green | .../000-023 |
| 91 ... 100 (10x) | 794-4605 | 794-5605 | 5 cards | violet | .../000-024 |
| 1 ... 50 (2x) | 793-4666 | 793-5666 | 5 cards | | |
| 51 ... 100 (2x) | 793-4607 | 793-5607 | 5 cards | Ordering examples | |
| 101 ... 150 (2x) | 793-4608 | 793-5608 | 5 cards | Terminal block width 4 mm – WMB card | |
| 151 ... 200 (2x) | 793-4609 | 793-5609 | 5 cards | Marking 1 ... 50 on blue card | 793-4566/000-006 |
| 201 ... 300 (1x) | 793-4610 | 793-5610 | 5 cards | Terminal block width 5 mm – WMB card | |
| 301 ... 400 (1x) | 793-4611 | 793-5611 | 5 cards | Marking 1 ... 50 on green card | 793-5566/000-023 |
| 401 ... 500 (1x) | 793-4612 | 793-5612 | 5 cards | | |
| 501 ... 600 (1x) | 793-4613 | 793-5613 | 5 cards | | |
| 601 ... 700 (1x) | 793-4614 | 793-5614 | 5 cards | | |
| 701 ... 800 (1x) | 793-4615 | 793-5615 | 5 cards | | |
| 801 ... 900 (1x) | 793-4616 | 793-5616 | 5 cards | | |
| 901 ... 1000 (1x) | 793-4617 | 793-5617 | 5 cards | Note: | |
| 1 ... 9, ; (10x) | 793-4665 | 793-5665 | 5 cards | Please note that colored marker cards are normally on longer delivery and more expensive than standard cards. | |
| 101, 101, 101, 102, 102, 102, ... 130, 130, 130 (1x) | 793-4667 | 793-5667 | 5 cards | | |
| 131, 131, 131, 132, 132, 132, ... 160, 160, 160 (1x) | 793-4668 | 793-5668 | 5 cards | | |
| L1, L2, L3, N, PE, L1, L2, L3, N, PE (10x) | 794-4672 | 794-5672 | 5 cards | plain, for self-marking | |
| R, S, T, U, V, W, X, Y, Z, Mp (10x) | 793-4644 | 793-5644 | 5 cards | 793-4501 793-5501 | 5 cards |
| A, B, P, N, PE, PEN, L1, L2, L3, ☺ (10x) | 793-4645 | 793-5645 | 5 cards | Marking pen | 210-110 |
| | | | | with fibre tip, | 1 |
| | | | | for permanent marking | |
| for double deck terminal blocks | for double deck terminal blocks | | | | |
| 1, 3, 5, 7, 9, 11, ... 99 und 2, 4, 6, 8, 10, 12, ... 100 (1x) | | 793-5699 | 5 cards | | |
| 101, 103, 105, ... 149 und 102, 104, 106, ... 150 (2x) | | 793-5900 | 5 cards | | |
| for triple deck terminal blocks | for triple deck terminal blocks | | | | |
| 1, 4, 7, ... 99 (1x) | | 794-4657 | 5 cards | | |
| 100, 103, 106, ... 198 (1x) | | 794-5658 | 5 cards | | |
| | WMB Inline | 2009-115 | | | |
| | (see page 40) | | | | |

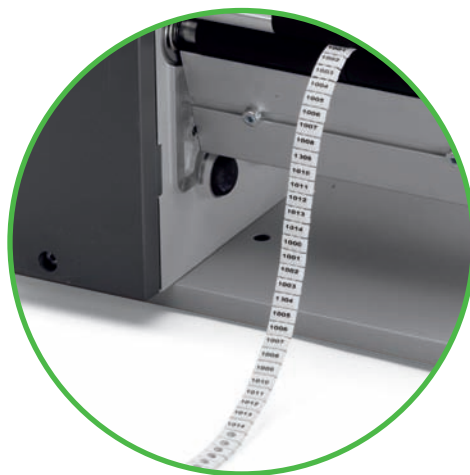
Cost-Efficient and Fast Marking

| | | |
|-------------------|--|---------------------------------|
| WMB Inline | Marking strip, white for center marking | Thermal transfer printer |
|-------------------|--|---------------------------------|

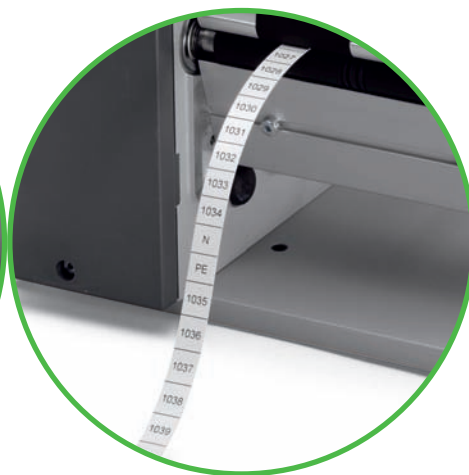


| Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs | Item No. |
|--|-----------------|---|-----------------|--|
| WMB Inline , pitch 5 mm/0.197 in, stretchable 5 mm – 5.2 mm/0.197 in – 0.205 in, on roll, 1,500 markers white | 2009-115 | 1 | | |
| | | Marker strip , white, plain for center marking | | |
| | | 11 mm/0.039 in wide, on roll | | |
| | | 50 m | 2009-110 | 1 |
| | | 300 m | 2009-130 | 1 |
| | | | | Thermal transfer printer, TP298 258-298 |
| | | | | Resolution 300 dpi, without display |
| | | | | ProServe Software included |
| | | | | Marking systems: |
| | | | | WMB markers on roll |
| | | | | marker strips 50 m and 300 m on roll |
| | | | | and |
| | | | | labels |

Application notes



WMB Inline
WMB markers on roll



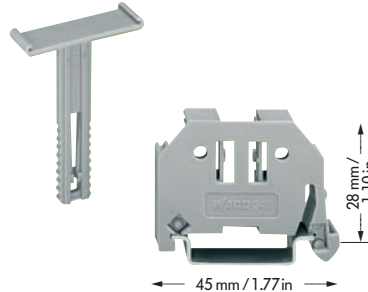
Marker strips
on roll



Labels

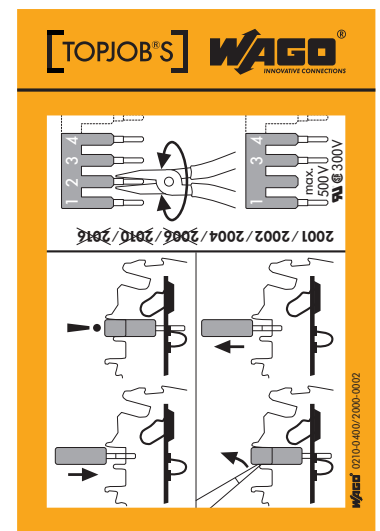
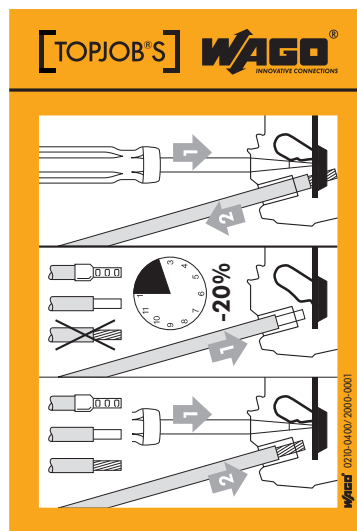
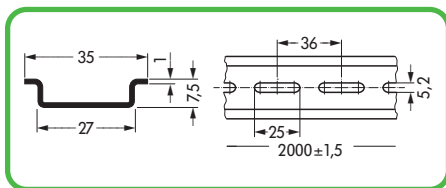
Mounting Accessories Carrier Rails and Stickers for Operating Instructions

| | | |
|--|--|--|
| TOPJOB®S group marker carriers Module width 5 mm / 0.197 in Module width 10 mm / 0.394 in Module width 15 mm / 0.591 in for marker cards and self-adhesive marker cards | Adjustable height group marker carriers End stop | Screwdrivers with partially insulated shaft for optimum handling in terminal blocks |
|--|--|--|



| Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs |
|---|----------------|---|----------------|---|----------------|
| TOPJOB®S group marker carrier, snap-on type for jumper slot | | Adjustable height group marker carriers, 249-119 50 (2 x 25) | | Screwdriver with partially insulated shaft, type 1, blade 2.5 x 0.4 mm / 0.098 in x 0.016 in, suitable for series 2001 | |
| 5 mm / 0.197 in wide 2009-191 | 50 | Marker card . . ., from white cardboard, for self-marking, 100 markers per sheet | | 210-619 1 | |
| 10 mm / 0.394 in wide 2009-192 | 50 | 209-113 1 sheet | | type 2, blade 3.5 x 0.5 mm / 0.137 in x 0.020 in, suitable for Series 2002, 2004 | |
| 15 mm / 0.591 in wide 2009-193 | 50 | . . . or self-adhesive label, for self-marking, 7 x 25 pcs per sheet | | 210-620 1 | |
| suitable for: WAGO Multi marking system WMB, miniature WSB Quick marking system, marker strips, 11 mm wide | | Protection cover, transparent | | type 3, blade 5.5 x 0.8 mm / 0.217 in x 0.031 in, suitable for Series 2006, 2010, 2016 | |
| 210-345 1 sheet | | 209-114 50 | | 210-621 1 | |
| for marker cards and self-adhesive marker cards | | End stop, for DIN 35 rail | | Screwdrivers with partially insulated shaft, – set – types 1 – 3 | |
| 2009-196 | 50 | 6 mm / 0.236 in wide 249-116 100 (4 x 25) | | 210-622 1 | |
| | | 10 mm / 0.394 in wide 249-117 50 (2 x 25) | | | |

| | | |
|---|---|--|
| Carrier rail 35 x 7.5 mm, 1 mm / 0.039 in thick, acc. to EN 60715, Steel, I_N 76 A (referred to a length of 1 m) | Operating sticker for TOPJOB®S rail-mounted terminal blocks Size 80 mm x 101 mm | Operating sticker for TOPJOB®S jumpers Size 80 mm x 101 mm |
|---|---|--|



| Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs | Item No. | Pack.-unit pcs |
|--|----------------|---|----------------|--|----------------|
| 2 m / 6'6" long | | Operating sticker, for TOPJOB®S rail-mounted terminal blocks | | Operating sticker, for TOPJOB®S jumpers | |
| Steel rail 35 x 7.5 mm, 1 mm / 0.039 in thick unslotted 210-113 10 | | Series 2001/2002/2004/2006/2010/2016 | | Series 2001/2002/2004/2006/2010/2016 | |
| Steel rail 35 x 7.5 mm, 1 mm / 0.039 in thick slotted 210-112 10 | | 210-400/2000-0001 100 | | 210-400/2000-0002 100 | |

TOPJOB[®]S

Ferrules for Rail-Mounted Terminal Blocks and Crimping Tools

Insulated ferrules,
electrolytic copper, electro-tin plated,
acc. to DIN 46228, part 4/09.90



| Dimensions (in mm) | suitable for series | Sleeve for mm ² | AWG | Color | Stripped length mm | L | L1 | D mm | D1 | D2 | Item No | Pack.-unit pcs |
|--------------------|---------------------|----------------------------|--------|-------|--------------------|----|-----|------|-----|---------|---------|----------------|
| | 2001 – 2002 | 0.5 | 22 | white | 12 | 16 | 10 | 3.1 | 2.6 | 1.0 | 216-241 | 1000 |
| | 2001 – 2002 | 0.75 | 20 | grey | 12 | 16 | 10 | 3.3 | 2.8 | 1.2 | 216-242 | 1000 |
| | 2002 – 2006 | 0.75 | 20 | grey | 14 | 18 | 12 | 3.3 | 2.8 | 1.2 | 216-262 | 1000 |
| | 2001 – 2002 | 1.0 | 18 | red | 12 | 16 | 10 | 3.5 | 3.0 | 1.4 | 216-243 | 1000 |
| | 2002 – 2006 | 1.0 | 18 | red | 14 | 18 | 12 | 3.5 | 3.0 | 1.4 | 216-263 | 1000 |
| | 2001 – 2002 | 1.5 | 16 | black | 12 | 16 | 10 | 4.0 | 3.5 | 1.7 | 216-244 | 1000 |
| | 2002 – 2006 | 1.5 | 16 | black | 14 | 18 | 12 | 4.0 | 3.5 | 1.7 | 216-264 | 1000 |
| | 2010 – 2016 | 1.5 | 16 | black | 20 | 24 | 18 | 4.0 | 3.5 | 1.7 | 216-284 | 1000 |
| | 2002 | 2.5 | 14 | blue | 12 | 17 | 10 | 4.7 | 4.2 | 2.2 | 216-246 | 1000 |
| | 2002 – 2006 | 2.5 | 14 | blue | 14 | 19 | 12 | 4.7 | 4.2 | 2.2 | 216-266 | 1000 |
| | 2010 – 2016 | 2.5 | 14 | blue | 20 | 25 | 18 | 4.7 | 4.2 | 2.2 | 216-286 | 1000 |
| | 2004 – 2006 | 4.0 | 12 | grey | 14 | 20 | 12 | 5.4 | 4.8 | 2.8 | 216-267 | 500 |
| 2010 – 2016 | 4.0 | 12 | grey | 20 | 26 | 18 | 5.4 | 4.8 | 2.8 | 216-287 | 500 | |
| 2006 | 6.0 | 10 | yellow | 14 | 20 | 12 | 6.9 | 6.3 | 3.5 | 216-208 | 500 | |
| 2010 – 2016 | 6.0 | 10 | yellow | 20 | 26 | 18 | 6.9 | 6.3 | 3.5 | 216-288 | 500 | |
| 2010 – 2016 | 10.0 | 8 | red | 20 | 28 | 18 | 8.4 | 7.6 | 4.5 | 216-289 | 500 | |
| 2016 | 16.0 | 6 | blue | 23 | 28 | 18 | 9.6 | 8.8 | 5.8 | 216-210 | 500 | |












Application notes

- With the Variocrimp 4 built-in crimping pressure plates control the crimping force automatically for the conductor cross section used. With the Variocrimp 16 it is necessary to select the wire gauge on the tool before crimping.
- Each tool has only one crimping station for all the wire sizes handled.
- Uniform compact crimping from all four sides for high conductor retention.
- No need to center the conductor in the ferrule sleeve.
- Conductor and ferrule insertion possible from both sides (for left- and right handed).
- Built-in ratchet to guarantee complete crimping every time.
- Tools open automatically after crimping operation is complete.
- Comfortable handles for operator.













| Item No. | Pack. unit pcs | Item No. | Pack. unit pcs |
|--|----------------|--|----------------|
| Variocrimp 4, Crimping tool for ferrules insulated and uninsulated, 0.25 mm ² – 4 mm ² / AWG 24 – 12 | | Variocrimp 16, Crimping tool for ferrules insulated and uninsulated, 6 mm ² – 16 mm ² / AWG 10 – 6 | |
| 206-204 | 1 | 206-216 | 1 |
| weight 400 g / 0.882 lbs | | weight 580 g / 1.28 lbs | |

TOPJOB® S Overview of Connectable Ferrules from 0.5 mm²

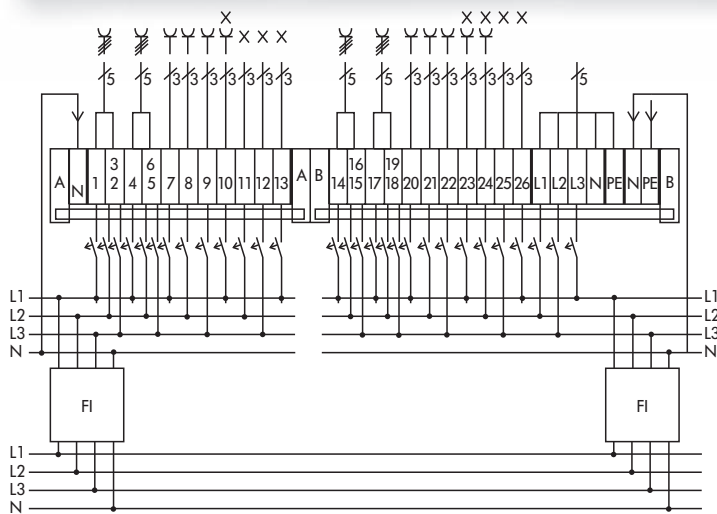
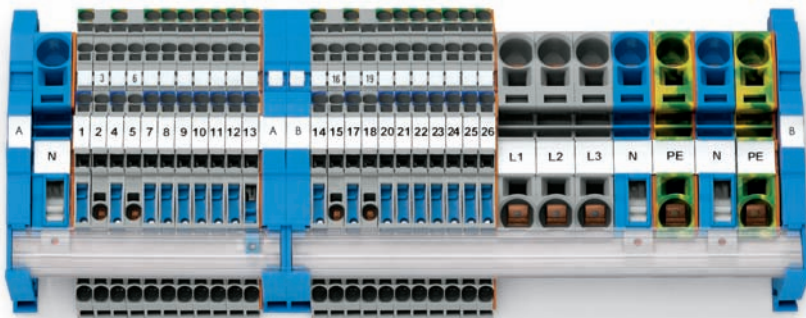
| |  |  |  |  |  |  |  |  |  |  |  |
|--------|---|---|---|---|---|---|---|---|---|---|---|
| Series | Rated cross-section in mm ² | 0.5 mm ² | 0.75 mm ² | 1 mm ² | 1.5 mm ² | 2.5 mm ² | 4 mm ² | 6 mm ² | 10 mm ² | 16 mm ² | |
| 2001 | 0.25 – 1.5 (2.5) | 216-241 | 216-242 | 216-243 | 216-244 | — | — | — | — | — | |
| 2002 | 0.25 – 2.5 (4) | 216-241 | 216-242 | 216-243 | 216-244 | 216-246 | — | — | — | — | |
| 2003 | 0.25 – 2.5 (4) | 216-241 | 216-242 | 216-243 | 216-244 | 216-246 | — | — | — | — | |
| 2004 | 0.5 – 4 (6) | — | 216-262 | 216-263 | 216-264 | 216-266 | 216-267 | — | — | — | |
| 2005 | 0.5 – 4 (6) | — | 216-262 | 216-263 | 216-264 | 216-266 | 216-267 | — | — | — | |
| 2006 | 0.5 – 6 (10) | — | 216-262 | 216-263 | 216-264 | 216-266 | 216-267 | 216-208 | — | — | |
| 2010 | 0.5 – 10 (16) | — | — | 216-263 | 216-284 | 216-286 | 216-287 | 216-288 | 216-289 | — | |
| 2016 | 0.5 – 16 (25) | — | — | — | 216-284 | 216-286 | 216-287 | 216-288 | 216-289 | 216-210 | |

TOPJOB® S Overview of Ferrules that can be Connected Directly (Push In)

| |  |  |  |  |  |  |  |  |  |  |  |
|--------|---|---|---|---|---|---|---|---|---|---|---|
| Series | Rated cross-section in mm ² | 0.5 mm ² | 0.75 mm ² | 1 mm ² | 1.5 mm ² | 2.5 mm ² | 4 mm ² | 6 mm ² | 10 mm ² | 16 mm ² | |
| 2001 | 0.25 – 1.5 (2.5) | — | 216-242 | 216-243 | 216-244 | — | — | — | — | — | |
| 2002 | 0.25 – 2.5 (4) | — | 216-242 | 216-243 | 216-244 | 216-246 | — | — | — | — | |
| 2003 | 0.25 – 2.5 (4) | — | 216-242 | 216-243 | 216-244 | 216-246 | — | — | — | — | |
| 2004 | 0.5 – 4 (6) | — | 216-262 | 216-263 | 216-264 | 216-266 | 216-267 | — | — | — | |
| 2005 | 0.5 – 4 (6) | — | 216-262 | 216-263 | 216-264 | 216-266 | 216-267 | — | — | — | |
| 2006 | 0.5 – 6 (10) | — | — | — | 216-264 | 216-266 | 216-267 | 216-208 | — | — | |
| 2010 | 0.5 – 10 (16) | — | — | — | — | 216-286 | 216-287 | 216-288 | 216-289 | — | |
| 2016 | 0.5 – 16 (25) | — | — | — | — | 216-286 | 216-287 | 216-288 | 216-289 | 216-210 | |

Examples of Circuit Configuration for WAGO TOPJOB® S

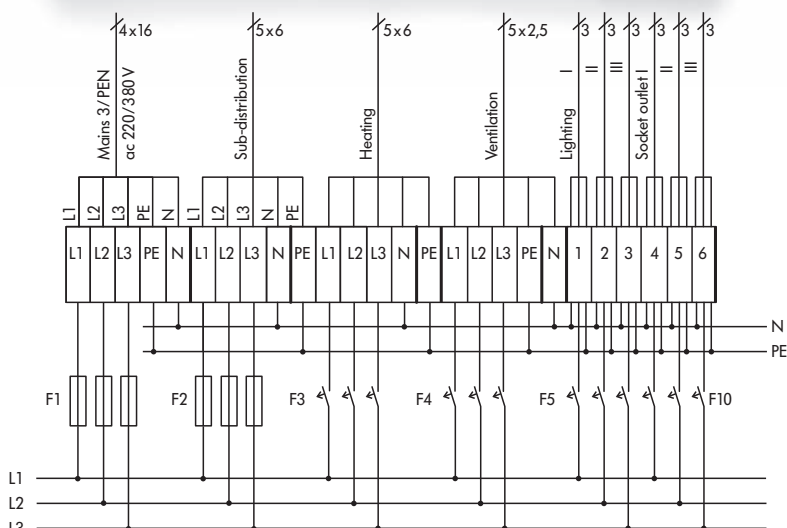
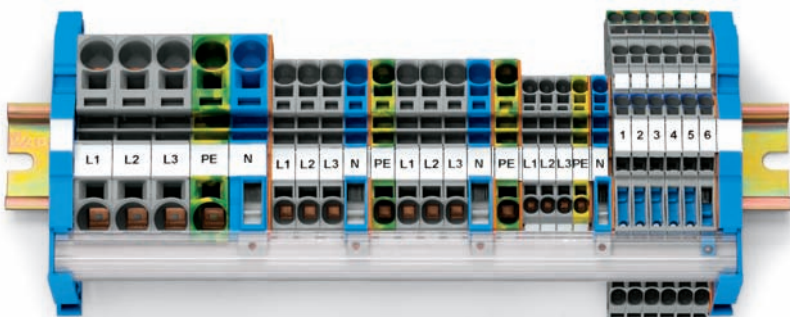
Distribution using multilevel installation terminal block (Series 2003), for three-phase and single phase a.c. with 2 residual current circuit breakers



Parts list

- 18 x 2003-7641 NT/L/PE
- 4 x 2003-7642 L/L
- 2 x 2003-7692 End plate
- 3 x 2016-1201 L
- 2 x 2016-1207 PE
- 3 x 2016-7114 NT
- 2 x 2016-7192 End plate
- 2 x 2016-1292 End plate
- 4 x 2009-305 Busbar carrier with end stop function
- 1 x 210-133 N-busbar
- 1 x 777-303 Transparent cover
- 1 x 2009-110 Marker strips
- 1 x 248-501 Mini-WSB
- 1 x 248-502 Mini-WSB

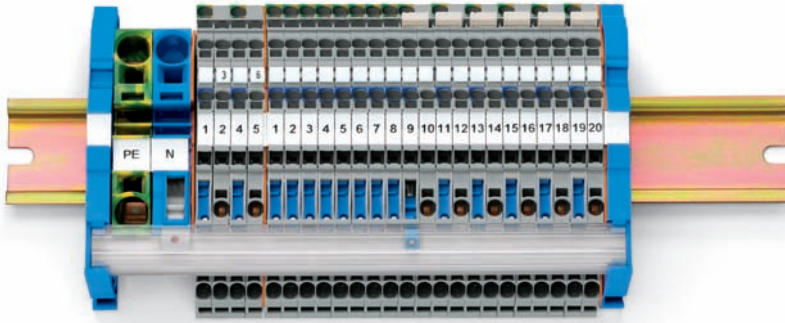
Supply of the TN-S system (mains) using the Series 2002, 2003, 2006 and 2016



Parts list

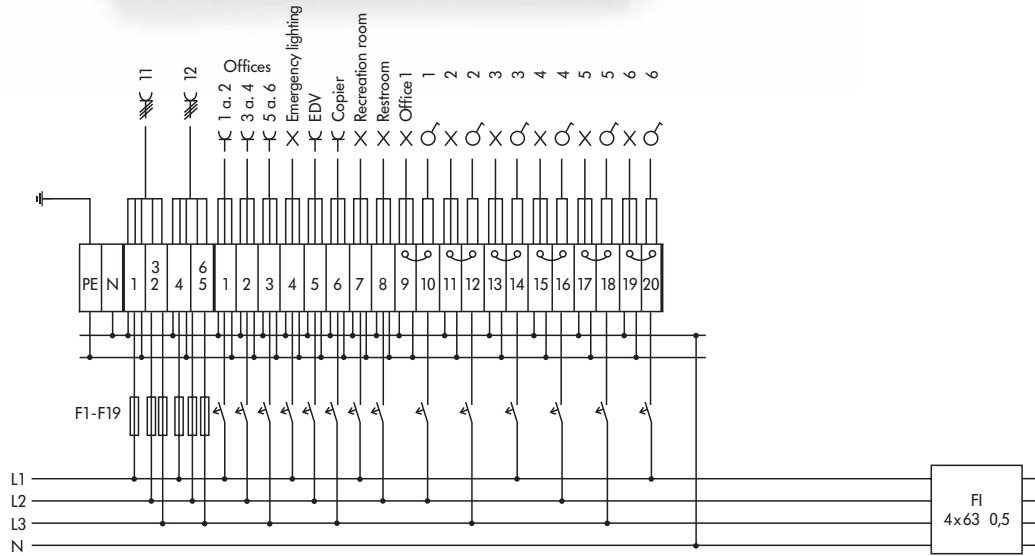
- 6 x 2003-7641 NT/L/PE
- 1 x 2003-7692 End plate
- 3 x 2002-1201 L
- 1 x 2002-1207 PE
- 1 x 2002-7114 NT
- 1 x 2002-1292 End plate
- 1 x 2002-7192 End plate
- 6 x 2006-1201 L
- 2 x 2006-1207 PE
- 1 x 2006-1292 End plate
- 2 x 2006-7114 NT
- 2 x 2006-7192 End plate
- 3 x 2016-1201 L
- 1 x 2016-1207 PE
- 1 x 2016-7114 NT
- 1 x 2016-7192 End plate
- 2 x 2009-305 Busbar carrier with end stop function
- 1 x 210-133 N-busbar
- 1 x 777-303 Transparent cover
- 1 x 2009-110 Marker strips

Distribution for office floor / wiring of the lighting to the distribution



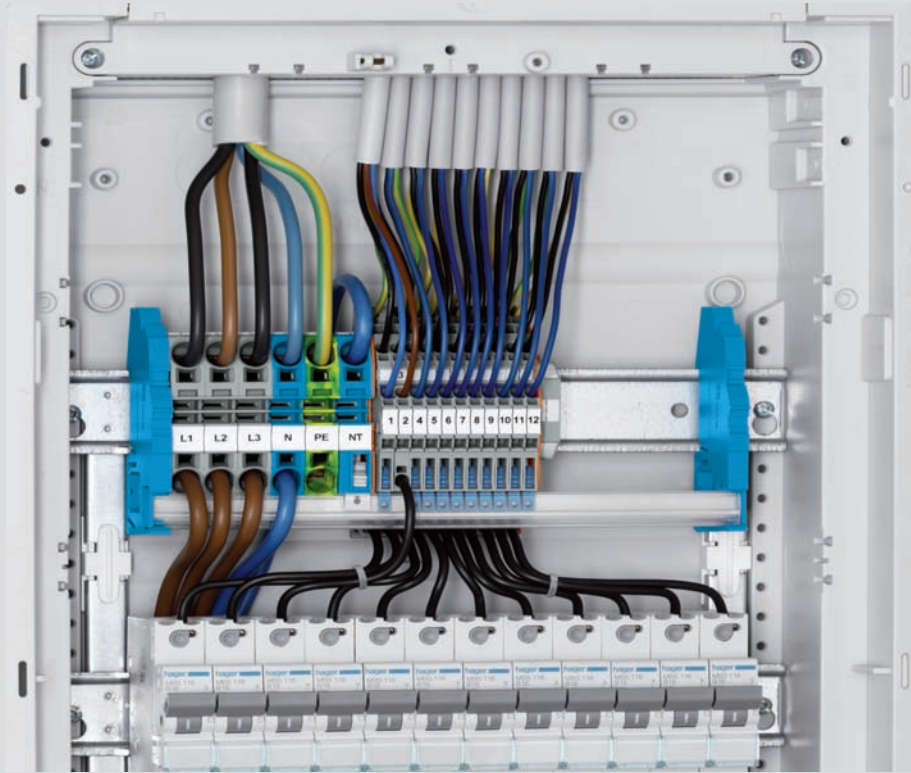
Parts list

- 1 x 2016-1207 PE
- 1 x 2016-7114 NT
- 1 x 2016-7192 End plate
- 16 x 2003-7641 NT/L/PE
- 8 x 2003-7642 L/L
- 2 x 2003-7692 End plate
- 2 x 2009-305 Busbar carrier with end stop function
- 1 x 210-133 N-busbar
- 1 x 777-303 Transparent cover
- 6 x 2002-402 Push-in type jumper bar
- 1 x 2009-110 Marker strips
- 1 x 248-566 Mini-WSB



Application Examples for TOPJOB® S Multilevel Installation

Standard consumer unit



Standard assembly of the multilevel installation terminal blocks on the carrier rail which is closest to the conductor entries.

Advantages:

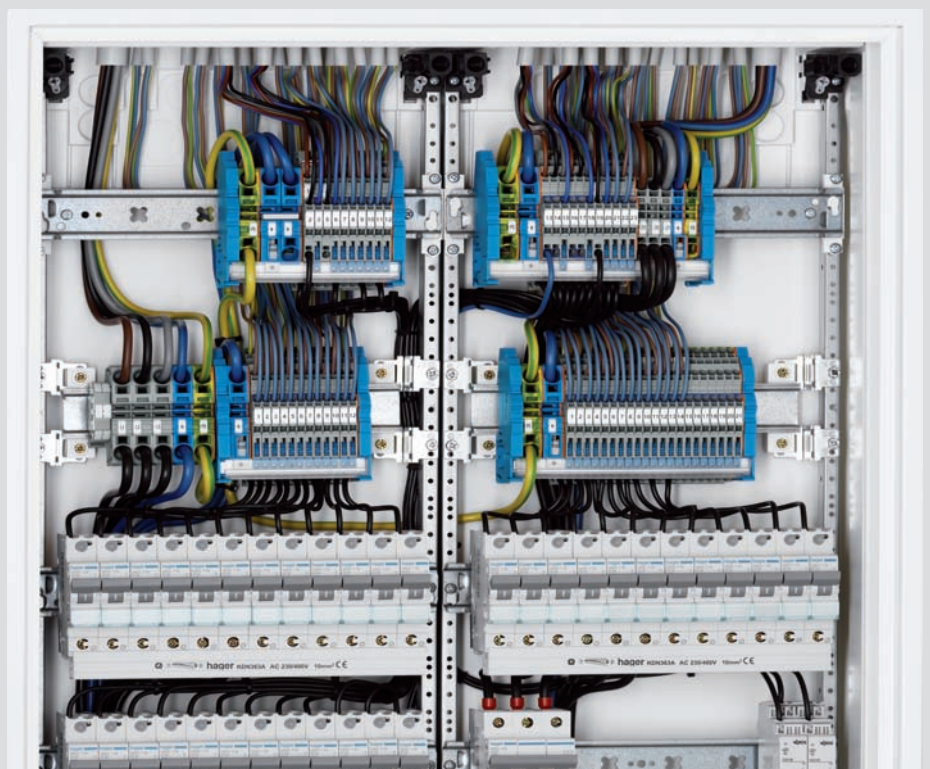
- Short wire lengths in the distribution box
- Clear arrangement of the circuits
- Large wiring space through small terminal block dimensions

On-wall mounted distribution box with double power line wiring using multilevel installation terminal blocks

The small dimensions of the multilevel installation terminal blocks make it possible to conveniently wire two carrier rails, one below the other.

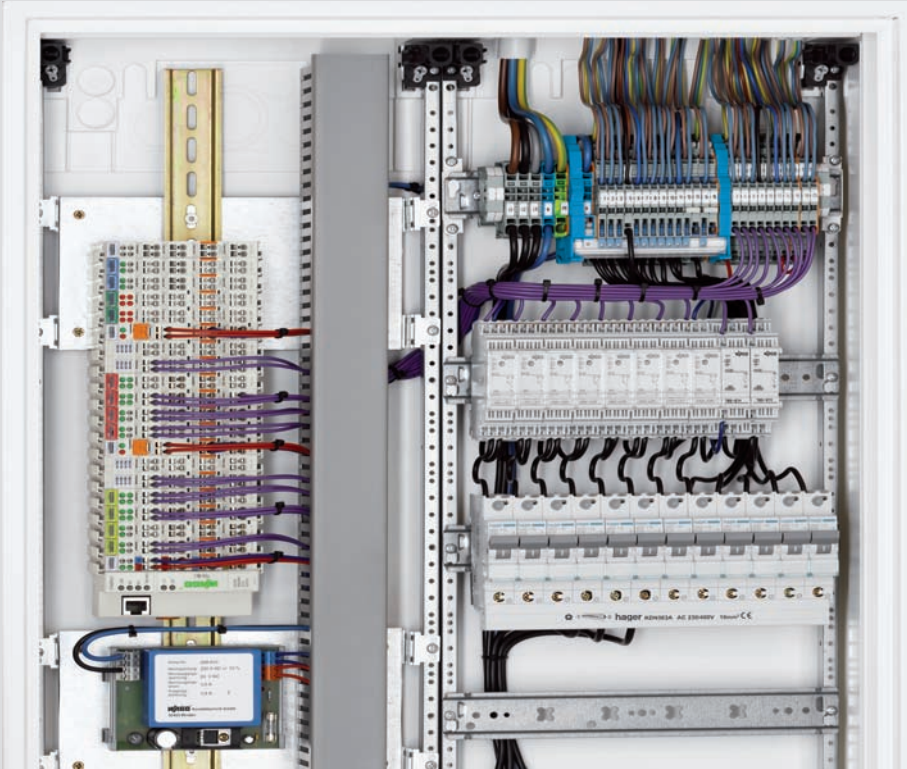
Advantages:

- Spatial separation of the circuits that are assigned to the individual residual current circuit breakers
- All groups of terminals can easily be extended



Terminal Blocks in Standard Distribution Boxes

On-wall mounted distribution box for power lines and building automation components



Separate arrangement of automation components and installation devices.

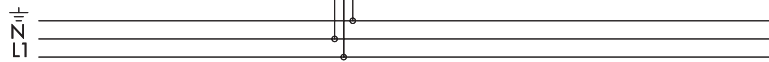
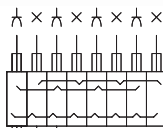
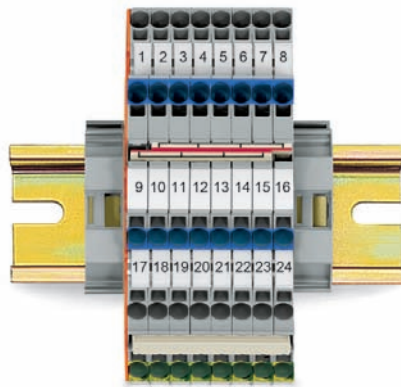
Advantages:

- Visual separation of power devices and electronics allows easy assignment of functions and error checking
- Optimal utilization of the bus controllers through a long, vertically mounted carrier rail

TOPJOB[®]S

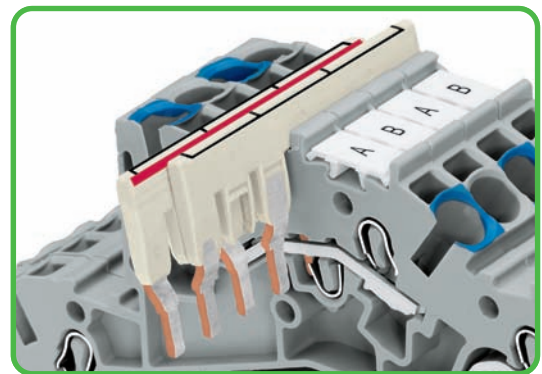
Examples of Circuit Configuration with Staggered Jumpers

Commoning sockets/lighting fixtures

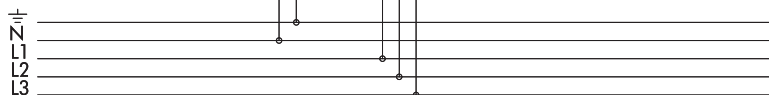
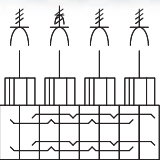
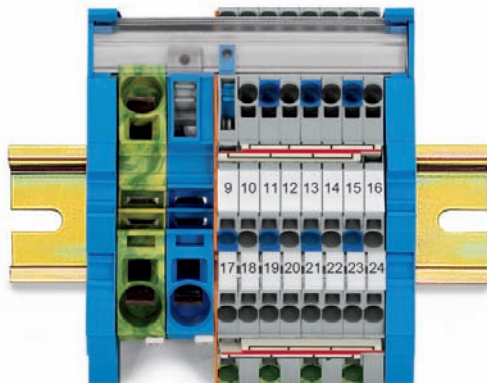


Parts list

- 2 x 249-117 End stop 10 mm
- 8 x 2003-7646 Multilevel installation terminal block N/L/PE
- 2 x 2002-477 Staggered jumper 7-way
- 1 x 2002-408 Push-in type jumper bar 8-way
- 1 x 2009-110 Marker strips
- 1 x 793-5566 WMB

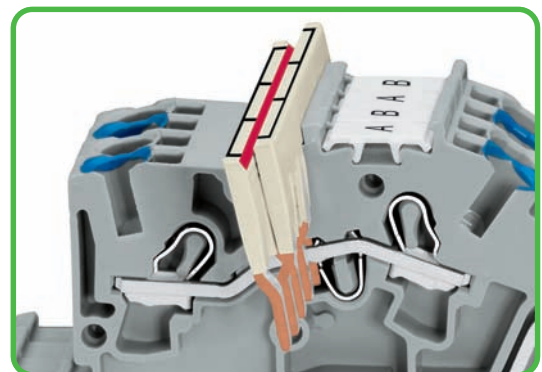


Commoning three-phase circuits



Parts list









- 2 x 2009-305 Busbar carrier with end stop function
- 1 x 2016-1207 2-conductor earth conductor terminal block
- 1 x 2016-7114 Single conductor N-disconnect terminal block
- 1 x 2003-7641 Multilevel installation terminal block NT/L/PE
- 4 x 2003-7642 Multilevel installation terminal block L/L
- 3 x 2003-7646 Multilevel installation terminal block N/L/PE
- 4 x 2002-477 Staggered jumper 7-way
- 1 x 2009-110 Marker strips
- 1 x 793-5566 WMB



Approvals

Dated April 2006

A list of approvals (update: catalog deadline) is provided on this page. Due to the numerous agencies and approvals as well as the ever-increasing number of new products, our online catalog provides you with complete up-to-date information at www.wago.com

| Item No. | Approval- No. | Vol- tage V | Cur- rent A | Cross Section AWG/mm ² | Item No. | Approval- No. | Vol- tage V | Cur- rent A | Cross Section AWG/mm ² | Item No. | Approval- No. | Vol- tage V | Cur- rent A | Cross Section AWG/mm ² | Item No. | Approval- No. | Vol- tage V | Cur- rent A | Cross Section AWG/mm ² |
|---|----------------|-------------|-------------|-----------------------------------|--|-------------------|-------------|-------------|-----------------------------------|--|---------------|-------------|-------------|-----------------------------------|--|---------------|-------------|-------------|-----------------------------------|
|  UL – Underwriters Laboratories USA | | | | |  LR – Lloyd's Register of Shipping Great Britain | | | | |  GL – Germanischer Lloyd Germany | | | | |  N.V. tot Keuring van Elektro-technische Materialen, Netherlands | | | | |
| 2001-120 | E45172 | 600 | 15 | 22-14 | 2010-1207 | 154112-1645436 | 600 | 65 | 20-6 | CENELEC CERTIFICATION AGREEMENT CCA-NL – N.V. tot Keuring van Elektro-technische Materialen, Netherlands According to the CENELEC Certification Agreement, the CCA certificate is recognized in the following European countries: Belgium, Denmark, Germany, Greece, Spain, France, Ireland, Italy, Luxembourg, Netherlands, Austria, Portugal, Finland, Sweden, Great Britain, Czech Republic, Estonia, Cyprus, Latvia, Lithuania, Hungary, Malta, Poland, Slovenia, Slovakia 2001-130 . . . NL5724 800 18 0,5-2,5 2001-1307 . . . NL5724 800 18 0,5-2,5 2001-140 . . . NL5724 800 18 0,5-2,5 2001-1407 . . . NL5724 800 24 0,2-4 2002-120 . . . NL5851 800 24 0,2-4 2002-1207 . . . NL5851 800 24 0,2-4 2002-130 . . . NL5851 800 24 0,2-4 2002-1307 . . . NL5851 800 24 0,2-4 2002-22 . . . NL5851 500 24 0,2-4 2002-32 . . . NL5851 500 24 0,2-4 2003-7641 . . . NL5828 250/400 32 0,25-4 2003-7642 . . . NL5828 400 32 0,25-4 2003-7645 . . . NL5828 250/400 32 0,25-4 2003-7646 . . . NL5828 250/400 32 0,25-4 2003-7649 . . . NL5828 800 32 0,5-6 2004-120 . . . NL5725 800 32 0,5-6 2004-1207 . . . NL5725 800 32 0,5-6 2004-130 . . . NL5725 800 32 0,5-6 2004-1307 . . . NL5725 800 32 0,5-6 2004-140 . . . NL5551 800 41 0,5-10 2004-1407 . . . NL5551 800 41 0,5-10 2006-120 . . . NL5755 800 57 0,5-16 2006-1207 . . . NL5755 800 57 0,5-16 2010-120 . . . NL5755 800 76 0,5-25 *F* 2010-1207 . . . NL5755 800 76 0,5-25 *F* 2016-120 . . . NL5555 800 76 0,5-25 *F* 2016-1207 . . . NL5555 800 76 0,5-25 *F* | | | | | | | | | |
| 2001-1207 | E45172 | | | 22-14 | 2010-130 | 154112-1645436 | | | 20-6 | | | | | | | | | | |
| 2001-130 | E45172 | 600 | 15 | 22-14 | 2010-1307 | 154112-1645436 | | | 20-6 | | | | | | | | | | |
| 2001-1307 | E45172 | | | 22-14 | 2016-120 | 154112-1579112 | 600 | 85 | 20-4 | | | | | | | | | | |
| 2001-140 | E45172 | 600 | 15 | 22-14 | 2016-1207 | 154112-1579112 | | | 20-4 | | | | | | | | | | |
| 2001-1407 | E45172 | | | 22-14 | 2016-130 | 154112-1579112 | 600 | 85 | 20-4 | | | | | | | | | | |
| 2002-120 | E45172 | 600 | 20 | 22-12 | 2016-1307 | 154112-1579112 | | | 20-4 | | | | | | | | | | |
| 2002-1207 | E45172 | | | 22-12 |  DNV – Det Norske Veritas Denmark 2002-120 . . . E7570 800 24 0,5-4 2002-1207 . . . E7570 800 24 0,5-4 2002-130 . . . E7570 800 24 0,5-4 2002-1307 . . . E7570 800 24 0,5-4 2002-140 . . . E7570 800 24 0,5-4 2002-1407 . . . E7570 800 24 0,5-4 2006-120 . . . E7570 800 41 0,5-10 2006-1207 . . . E7570 800 41 0,5-10 2006-130 . . . E7570 800 41 0,5-10 2006-1307 . . . E7570 800 76 0,5-25 *F* 2016-120 . . . E7570 800 76 0,5-25 *F* 2016-1207 . . . E7570 800 76 0,5-25 *F* 2016-130 . . . E7570 800 76 0,5-25 *F* 2016-1307 . . . E7570 800 76 0,5-25 *F* | | | | | | | | | | | | | | |
| 2002-140 | E45172 | 600 | 20 | 22-12 | | | | | | | | | | | | | | | |
| 2002-1407 | E45172 | | | 22-12 | | | | | | | | | | | | | | | |
| 2002-22 . . . | E45172 | 300/600 | 20/5 | 22-12 | | | | | | | | | | | | | | | |
| 2002-32 . . . | E45172 | 300/600 | 20/5 | 22-12 | | | | | | | | | | | | | | | |
| 2004-120 . . . | E45172 | 600 | 30 | 20-10 | | | | | | | | | | | | | | | |
| 2004-1207 | E45172 | | | 20-10 | | | | | | | | | | | | | | | |
| 2004-130 . . . | E45172 | 600 | 30 | 20-10 | | | | | | | | | | | | | | | |
| 2004-1307 | E45172 | | | 20-10 | | | | | | | | | | | | | | | |
| 2004-140 . . . | E45172 | 600 | 30 | 20-10 | | | | | | | | | | | | | | | |
| 2004-1407 | E45172 | | | 20-10 | | | | | | | | | | | | | | | |
| 2006-120 . . . | E45172 | 600 | 50 | 20-8 | | | | | | | | | | | | | | | |
| 2006-1207 | E45172 | | | 20-8 | | | | | | | | | | | | | | | |
| 2006-130 . . . | E45172 | 600 | 50 | 20-8 | | | | | | | | | | | | | | | |
| 2006-1307 | E45172 | | | 20-8 | | | | | | | | | | | | | | | |
| 2016-120 . . . | E45172 | 600 | 85 | 20-4 | | | | | | | | | | | | | | | |
| 2016-1207 | E45172 | | | 20-4 | | | | | | | | | | | | | | | |
| 2016-130 . . . | E45172 | 600 | 85 | 20-4 | | | | | | | | | | | | | | | |
| 2016-1307 | E45172 | | | 20-4 | | | | | | | | | | | | | | | |
|  CSA – Canadian Standard Association Canada | | | | |  PTB Physikalisch Technische Bundesanstalt Germany EEx e II | | | | |  URUS – Underwriters Laboratories USA | | | | | | | | | |
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