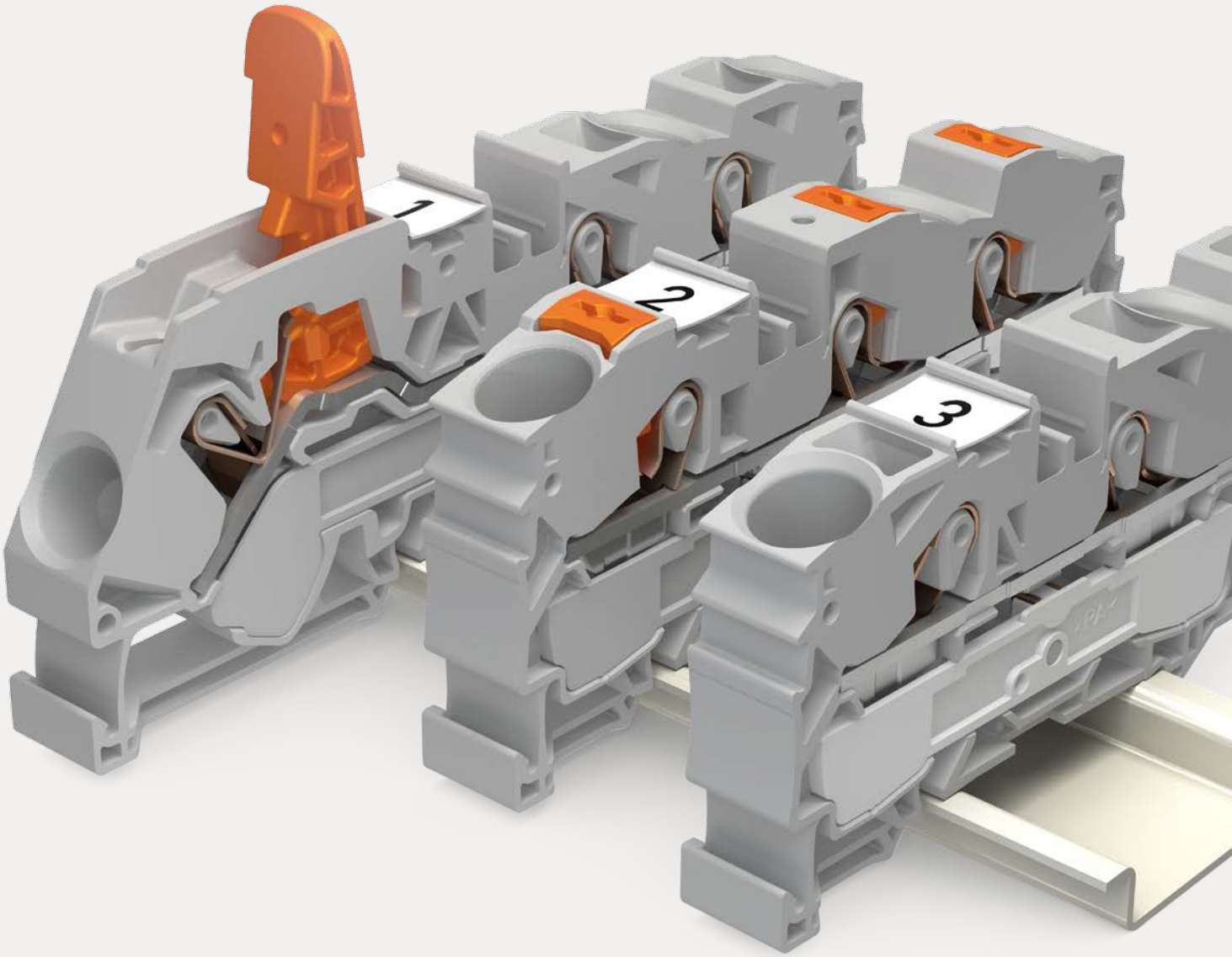
WAGO TOPJOB® S Rail-Mount Terminal Blocks

With Lever – Push-Button – Operating Slot

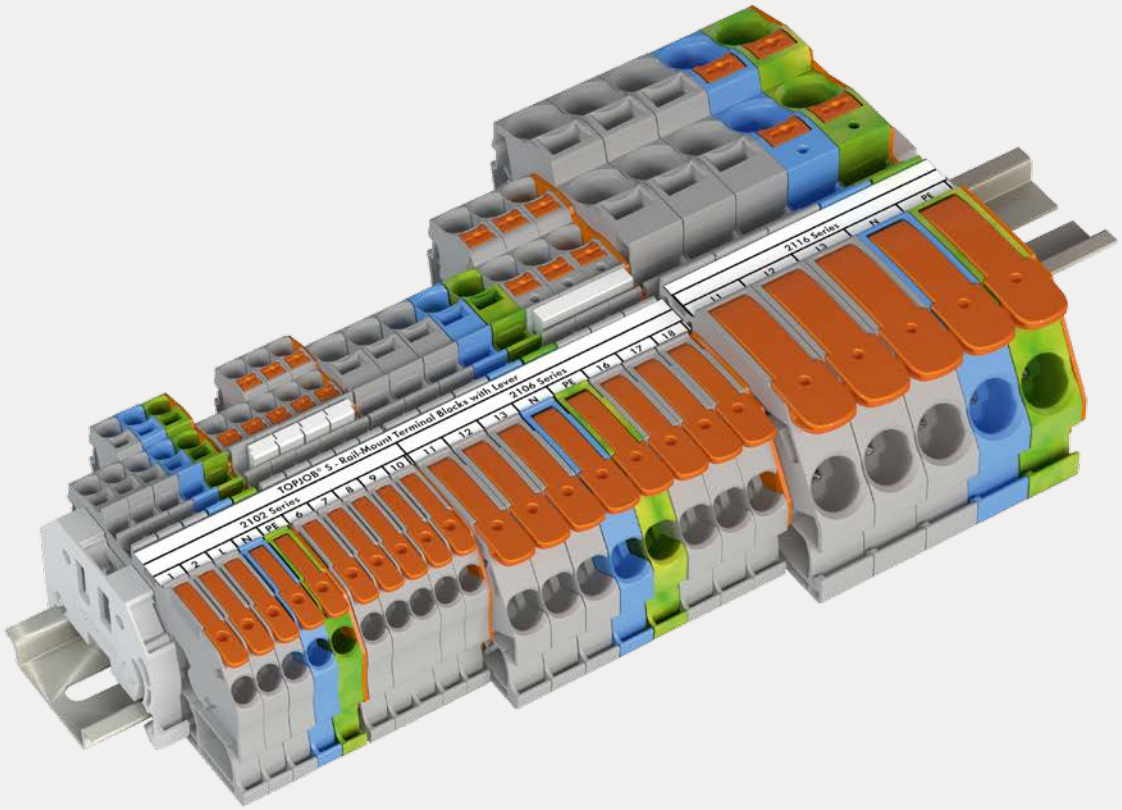


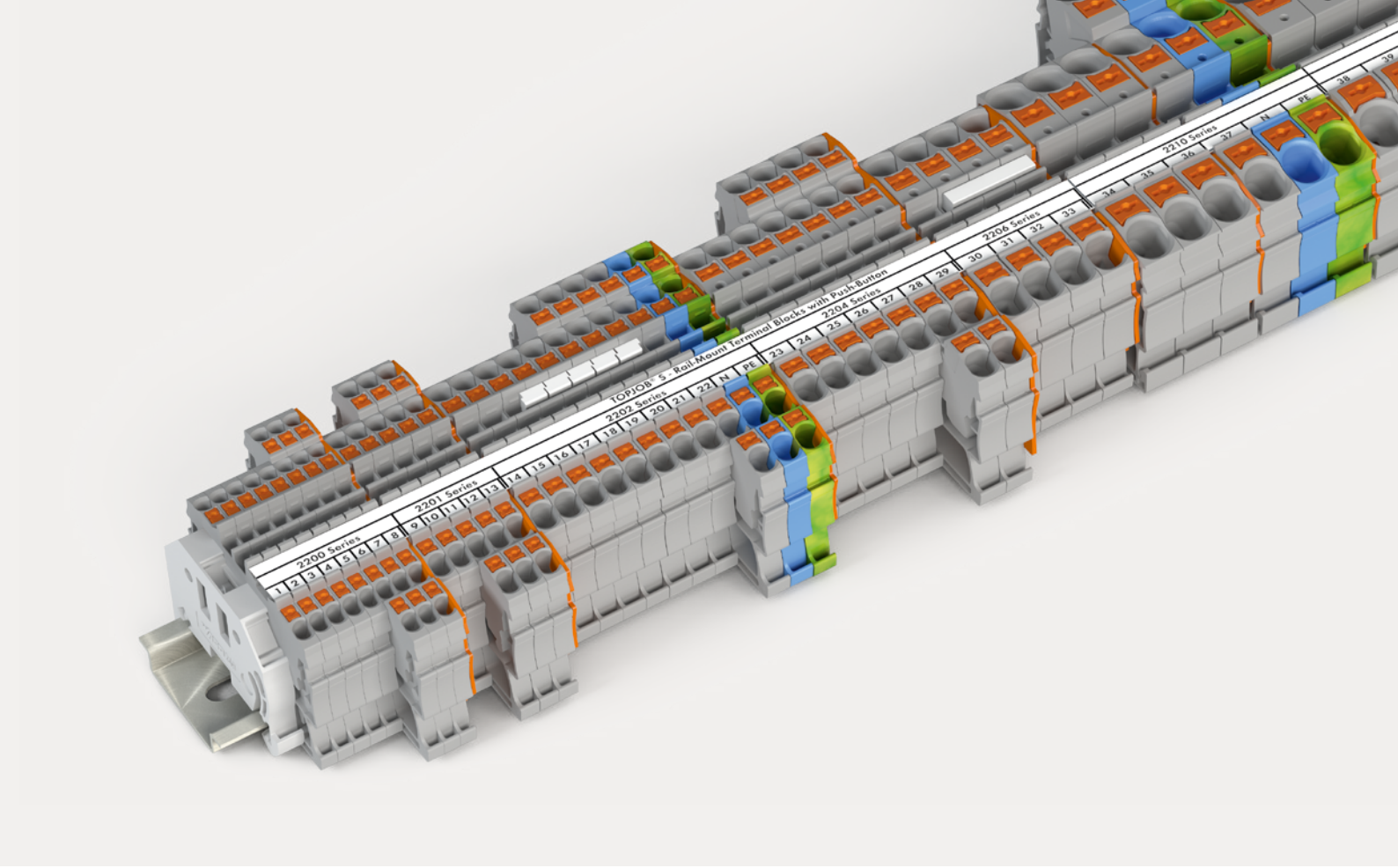
RAIL-MOUNT TERMINAL BLOCKS WITH LEVERS

Connect tool-free via rail-mount terminal blocks with levers. A lever means opening and closing a clamping point by hand doesn't get any easier. Especially when making connections in the field, the user benefits from the ease of use offered by this intuitive design. The levers remain open for the simultaneous connection of difficult-to-bend conductors with large cross sections. Thanks to Push-in CAGE CLAMP®, solid and stranded conductors, as well as fine-stranded conductors with gas-tight, crimped ferrules, can also be connected by push-in termination. The rail-mount terminal blocks with levers are available in nominal cross-sections of 2.5, 6 and 16 mm² (14, 10 and 6 AWG). They are offered in two- and three-conductor versions. The external connection is equipped with a lever; a push-button or operating slot is available for internal wiring.

Actuation via Lever:

- All conductor types can be connected and disconnected easily and intuitively by hand.
- The lever engages and keeps the clamping point open with no exertion, freeing hands for wiring
- The lever position clearly signals whether the clamping point is open or closed.
- Even difficult-to-bend conductors are easily connected through the side conductor entry.



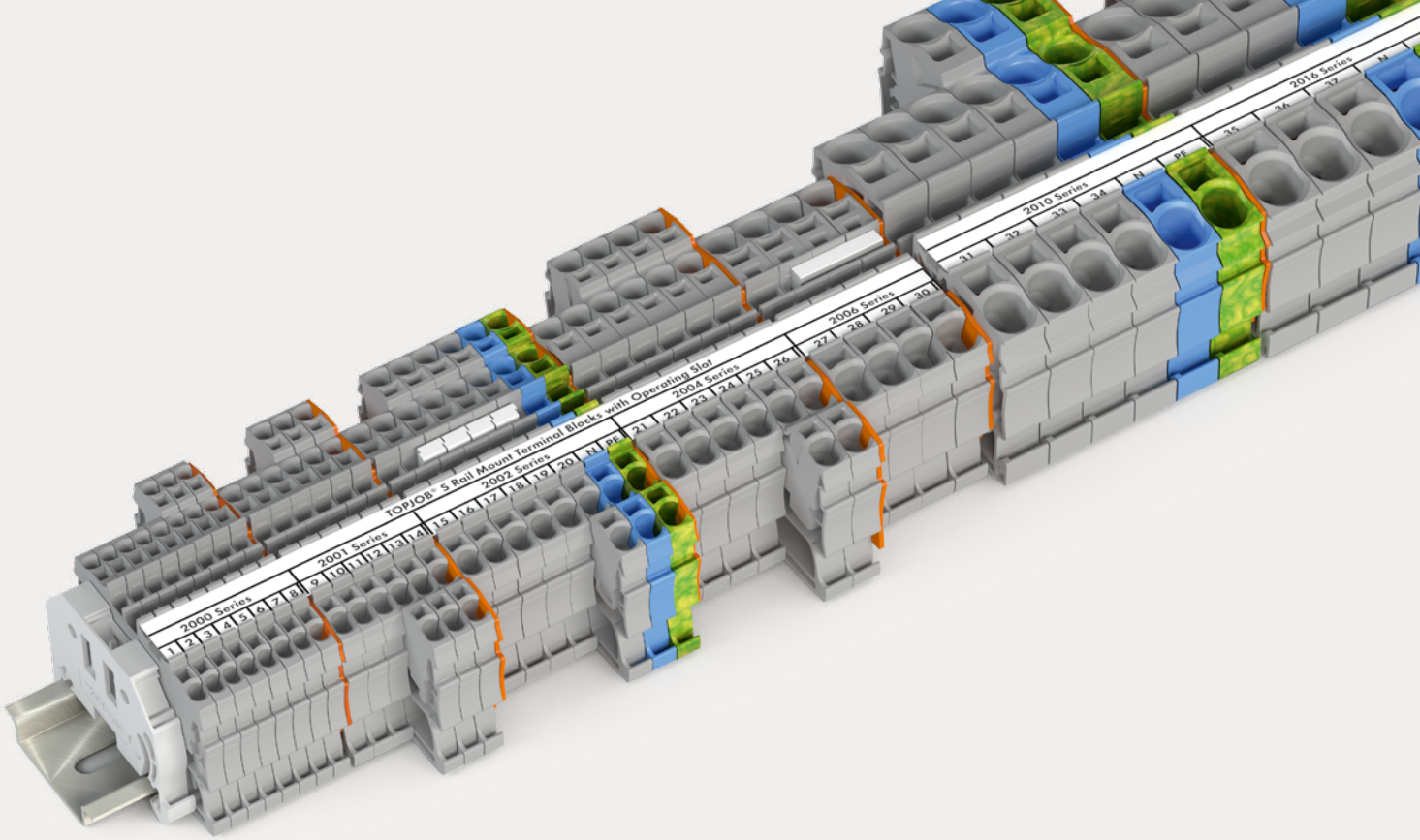


RAIL-MOUNT TERMINAL BLOCKS WITH PUSH-BUTTONS

The TOPJOB® S Rail-Mount Terminal Block line also includes push-button variants. The rail-mount terminal blocks with push-buttons are offered in nominal cross-sections of 1.0, 1.5, 2.5, 4, 6, 10 and 16 mm² (18, 16, 14, 12, 10, 8 and 6 AWG). They are available as two-, three- or even four-conductor variants. The clamping point is opened by actuating the push-button with any common tool. The orange push-button allows the actuator to be clearly and quickly distinguished from the conductor entry. The Push-in CAGE CLAMP® forms the heart of the TOPJOB® S Rail-Mount Terminal Blocks. It offers the additional possibility of connecting solid and stranded conductors, as well as fine-stranded conductors with gas-tight, crimped ferrules, by simply pushing them in – no tools needed.

Actuation via Push-Button:

- Use any common tool to open the clamping point via the push-button
- Intuitive operation – the orange color highlights the push-button.



RAIL-MOUNT TERMINAL BLOCKS WITH OPERATING SLOTS

The TOPJOB® S Rail-Mount Terminal Blocks with Operating Slots enable easy connection with an operating tool. The operating tool, which is used for connecting fine-stranded conductors, remains in the operating slot until termination is complete. The clamping point is held open, keeping hands free for wiring. The rail-mount terminal blocks with operating slots feature a wide and flexible product range. In addition to single-deck terminal blocks with a large cross-section range of 0.14 mm² to 25 mm² (24–4 AWG), double- and triple-deck terminal blocks, along with function blocks, are also available for any type of application.

Operating Slot:

- The operating tool remains in the operating slot until termination is complete.
- The clamping point is marked by the inserted operating tool.
- The conductor entry is held open, keeping hands free for wiring.

3 WAYS TO WIRE = 1 FAMILY

One Rail-Mount Terminal Block Family

Because of the extended TOPJOB® S Rail-Mount Terminal Block family, now you can choose from three actuation variants: lever, push-button and operating slot.

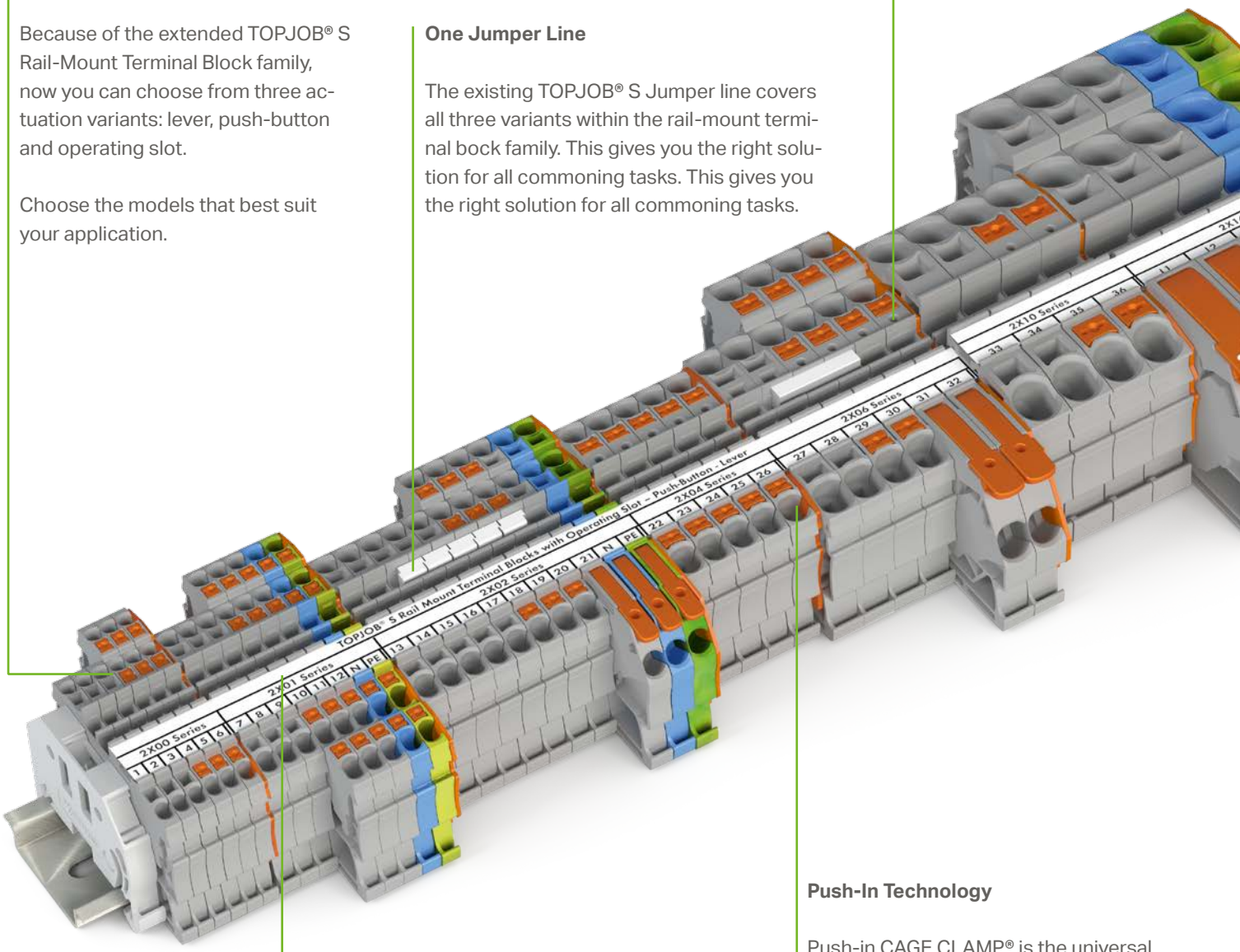
Choose the models that best suit your application.

One Jumper Line

The existing TOPJOB® S Jumper line covers all three variants within the rail-mount terminal bock family. This gives you the right solution for all commoning tasks. This gives you the right solution for all commoning tasks.

Test Options

Naturally, all variants of the TOPJOB® S Rail-Mount Terminal Blocks offer test options.



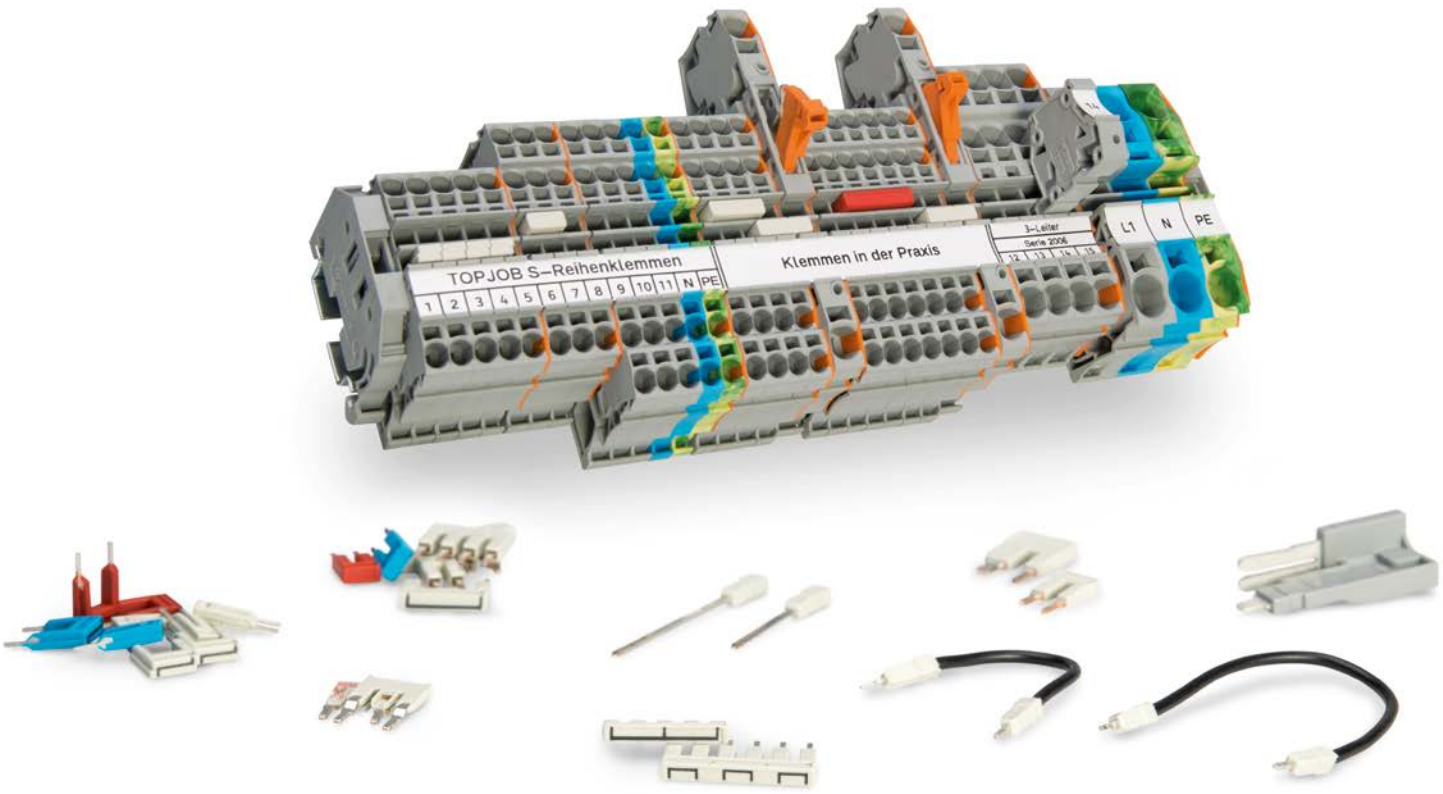
Continuous marking possibilities

Because all three variants have the same profile, TOPJOB® S Rail-Mount Terminal Blocks can be labeled with continuous marking strips in the shortest time possible. Multi-line strips can be printed with the ***smart****PRINTER*, greatly simplifying functional assignment.

Push-In Technology

Push-in CAGE CLAMP® is the universal connection technology for all conductor types. For especially fast connections, all three variants make it possible to connect solid and stranded conductors, as well as fine-stranded conductors with gas-tight, crimped ferrules by simply pushing them in – no tools needed.

JUMPER SYSTEM



Jumper System
The existing jumper system offers the right solution for all commoning tasks. The right jumpers are available for both star or delta motor connections. Pluggable vertical jumpers can easily connect all levels within multilevel terminal blocks. Staggered jumpers enable you to accommodate four potentials alongside each other. Push-in type wire jumpers common terminal blocks over longer distances.

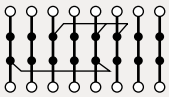
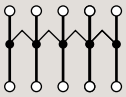
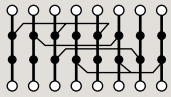
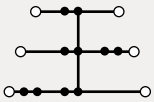
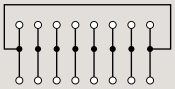
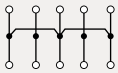
Continuous Jumpers
The jumper system is the foundation for the TOPJOB® S Rail-Mount Terminal Block System's flexibility. And highlighting this is WAGO's adjacent jumper for continuous commoning. It can connect an endless number of terminal blocks to each other using one jumper slot. For any additional function, or commoning a greater number of terminal blocks during commissioning, simply add an adjacent jumper for continuous commoning to the same jumper slot.

Your Benefits:

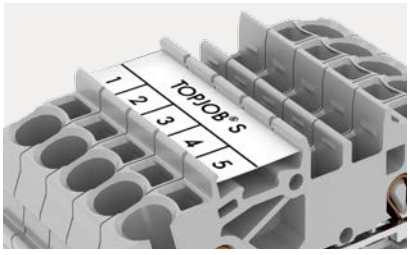
- With these jumpers, complex commoning tasks are solved with simplicity.
- Clearly see all commoning.

Your Benefits:

- Stocking fewer part numbers minimizes storage costs.
- Flexible and easy to customize – always have the right number of poles in hand.

Type of Commoning		Circuit Diagram	Applications
	Push-In Type Jumper Bar		Multi-pole, push-in jumpers (x poles) can be easily customized. They can be adapted by simply removing individual contact legs. Factory pre-configured push-in type jumper bar (1 to x) are also available.
	Continuous Jumpers		Continuous jumpers provide seemingly endless possibilities. You can simply add another adjacent jumper in the same jumper slot for any additional function or to common a greater number of terminal blocks during commissioning.
	Step-Down Jumper		Our step-down jumpers easily common terminal blocks rated for different conductor sizes, making them ideal for power distribution applications.
	Staggered Jumpers		Staggered (slim style) jumpers accommodate different potentials across a single jumper row, offering industry-exclusive commoning of up to four different potentials. Customize jumpers by breaking off individual contact legs.
	Vertical Jumper		Vertical jumpers are the perfect solution for multilevel terminal blocks: They easily connect two or three levels.
	Push-In Type Wire Jumper		Using push-in type wire jumpers, commoning over longer distances, across multiple levels, or around plug-in component accessories is easily achieved. They are available in three different lengths.
	Star Point Jumper		This jumper has been specially developed to create a “star point” and is ideal for motor terminal boards.
	Delta Jumper		Delta jumpers are available for delta motor connections.

MARKING WITH *smart*PRINTER

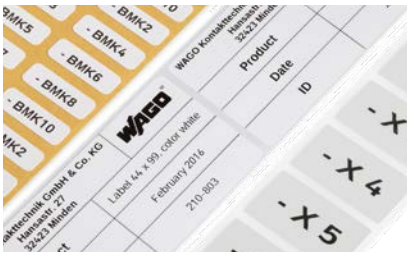


Terminal Block Marking

- Multi-line marking strips for clear, detailed control cabinet labels
- WMB Inline markers on a reel are suitable for various terminal block sizes.
- Same profile across all TOPJOB® S Rail-Mount Terminal Blocks ensures quick labeling

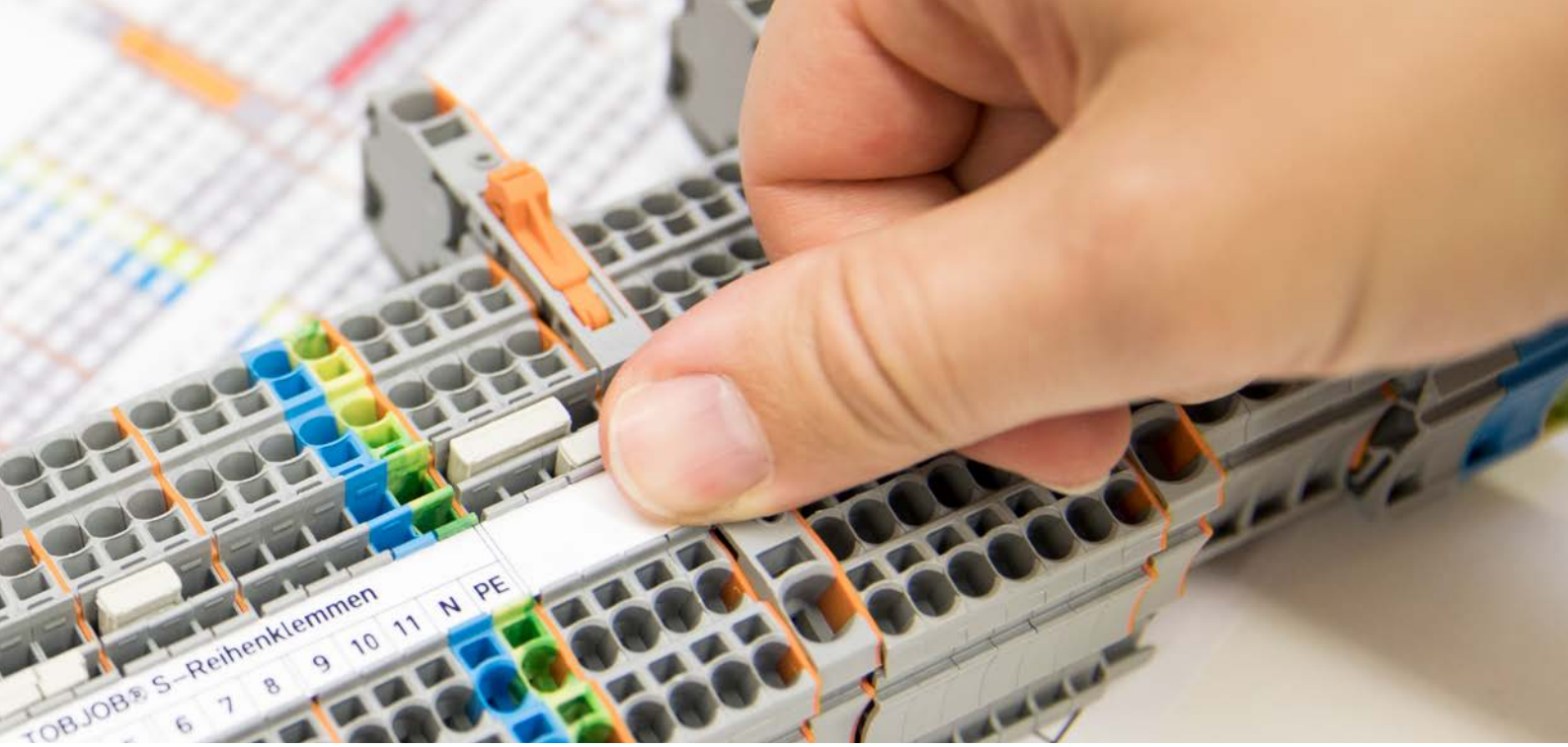
Cable and Conductor Marking

- Different versions available: marking sleeves, self-laminating labels, conductor markers for thread-on mounting or shrink tubes
- Large variety of marking surface sizes



Device Marking

- Broad selection of label types (e.g., printable fabric), push-button markers and type plates optimizes marking for devices and control cabinets
- Labels and markers available in a variety of colors and sizes



Your Benefits:

- Universal application for all control cabinet marking tasks
- Economical marking thanks to low purchase costs and fast printing
- User-friendly ***smart***SCRIPT marking software
- Long-lasting, indelible, scratch-proof printing
- Easy installation under: www.wago.de/smartprinter

SAFETY RESERVES

Suitable for All Conductor Types

- TOPJOB® S Rail-Mount Terminal Blocks are suitable for all conductor types: solid, stranded and fine-stranded conductors, as well as fine-stranded conductors with ferrules or pin terminals, plus tip-bonded conductors.
- All conductors can be connected without any preparation: Ferrules and pin terminals can be used, but are not mandatory.

Reliable in All Applications

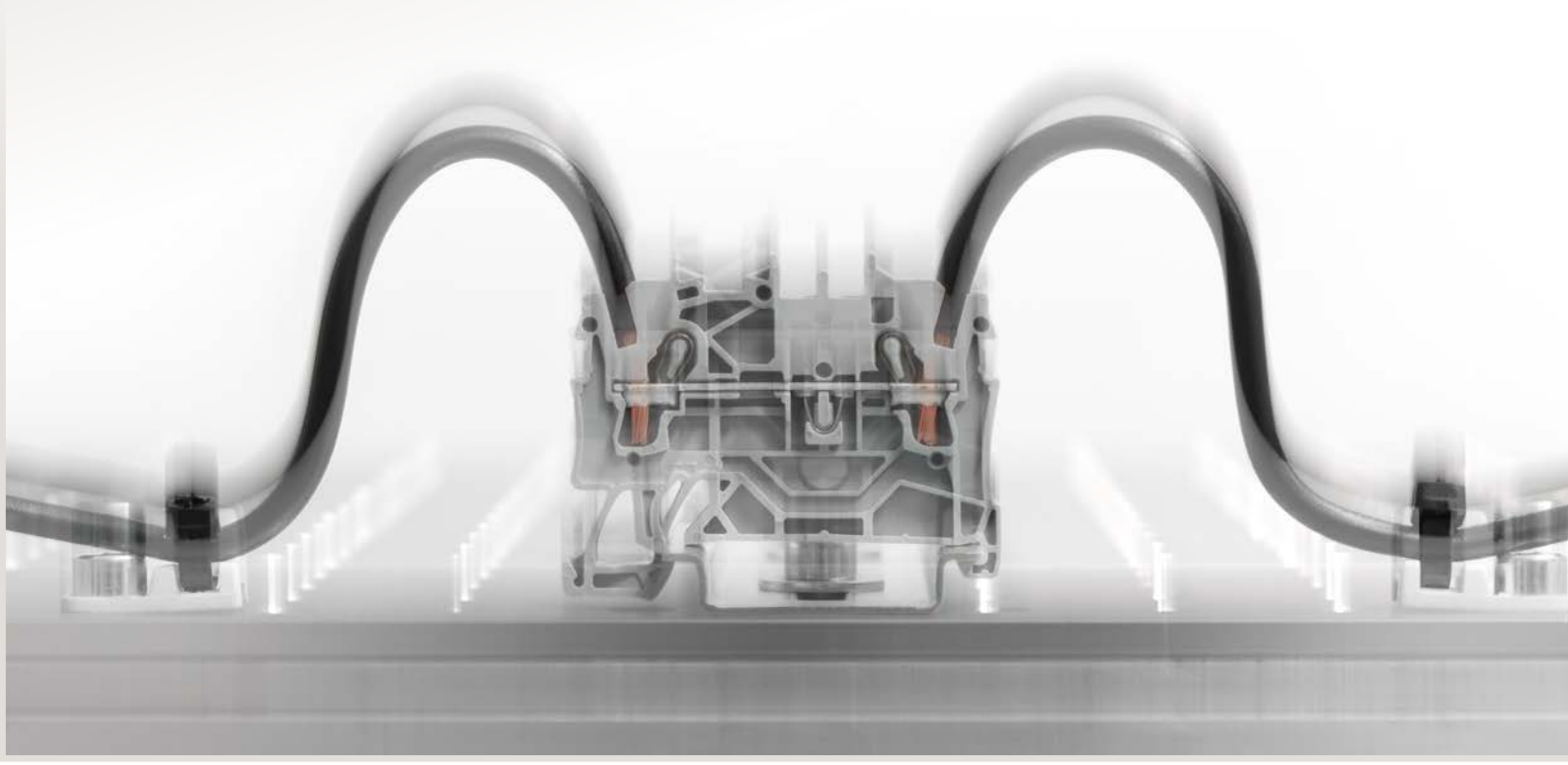
- Mechanical, electrical and environmental tests, as well as additional industry-specific tests, verify that no interruption of the electrical connection occurs.
- Push-in CAGE CLAMP® Spring Pressure Terminal Blocks pass all of these tests with no exceptions.
- The terminals satisfy the lofty demands for rail vehicles (per EN 61373) and marine approvals (per GL, LR, DNV).
- For example, WAGO's TOPJOB® S Rail-Mount Terminal Block System withstands shock tests up to 500 g (common values are 15–25 g) and tests in which extreme temperature changes from −40°C to +70°C (−40 … +158 F) are simulated (per EN 60068-2-14).

Your Benefits:

- Eliminate time-consuming preparation – no ferrules or crimping required.
- TOPJOB® S Rail-Mount Terminal Blocks – flexible use in all applications.

Your Benefits:

- Hassle-free use of WAGO products with Push-in CAGE CLAMP® Technology, even in the toughest environments – worldwide!



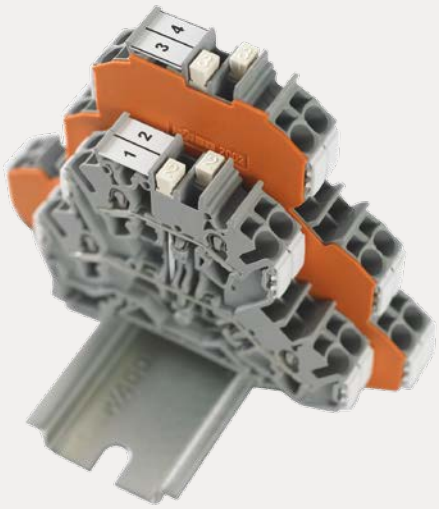
High contact quality –
independent of operator skill

- In addition to correctly selecting the materials and surface coating, contact pressure [N/mm²] determines the quality of the clamping connection.
- The conductor is pressed against the current bar in a predefined contact area, without causing damage.
- The contact zone is deliberately designed to be small and curved, not flat, to exert high contact pressure.
- The clamping force adjusts automatically to the conductor cross-section.
- The clamp dynamically compensates for conductor deformation due to flow effects.
- A superior design eliminates the risk of a loose connection – contact breaks are excluded.
- Because the conductor is embedded in a soft solder coat, the transition point is resistant to corrosive infiltration.
- The long-term consistency of contact resistance is ensured – even in aggressive environments.

The Smart Feature:

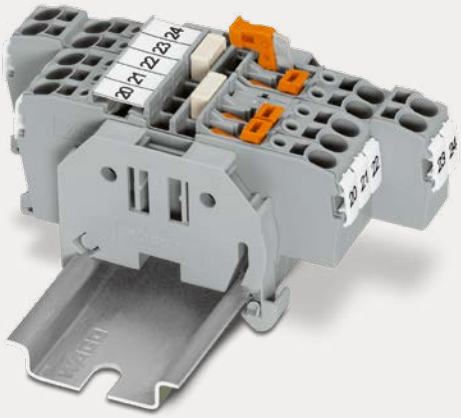
- Secure connections – independent of the operator's skill!

DOUBLE- AND TRIPLE-DECK TERMINAL BLOCKS



The TOPJOB® S Double – and Triple-Deck Terminal Blocks provide a clear overview, even in tight areas. These terminal blocks are available with a cross-section range of 0.14 to 4 mm² (24–12 AWG), with PE (ground) contact and for hazardous areas. An additional advantage: Since it can be positioned above the wiring level, the marker carrier can be tilted to the side during wiring for unrestricted marking – even in cramped spaces.

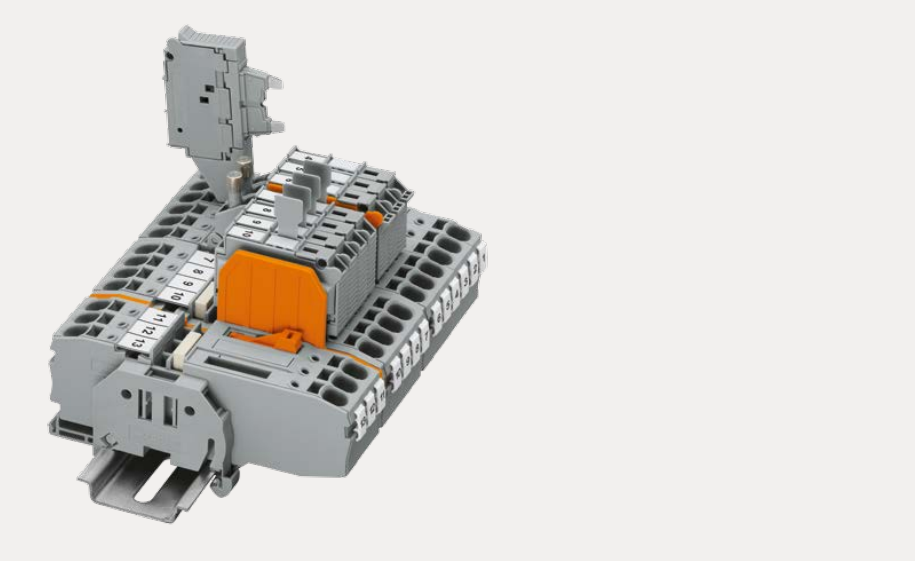
DISCONNECT AND TEST TERMINAL BLOCKS



The TOPJOB® S Disconnect and Test Terminal Blocks allow you to quickly and safely disconnect circuits. The orange-colored knife disconnects or disconnect plugs are located between the conductors and provide visual confirmation of the switched status.

FUSE TERMINAL BLOCKS

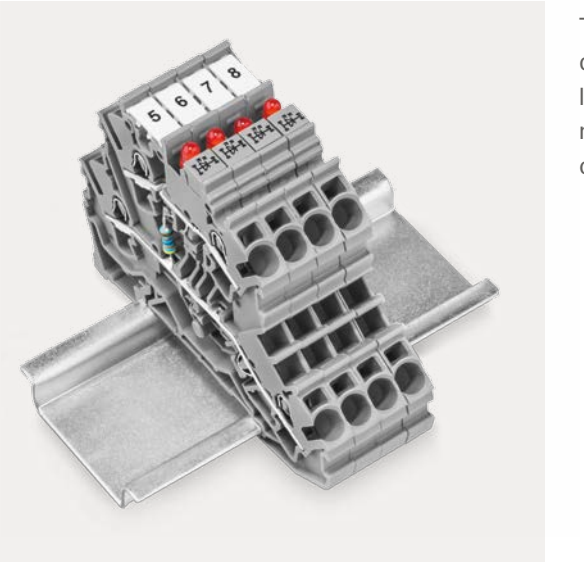
Fuse terminal blocks protect systems against short circuit or overload and ensure fail-safe system operation. These fuse terminal blocks are designed for miniature fuses or blade-style fuses.



PLUGGABLE DIODE AND LED MODULES

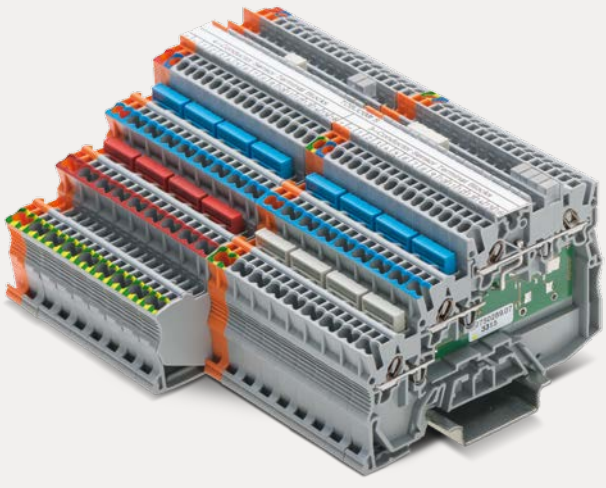
WAGO's pluggable diode and LED modules simplify the creation of specialty function units – no additional assembly and wiring costs. They are available in the two following versions: As modules that may be inserted into the disconnect contacts of two adjacent carrier terminal blocks and as variants to be plugged into the jumper slots of standard through terminal blocks. Furthermore, empty component plug housings for carrier terminal blocks can be individually equipped with resistors, diodes or other components.

DIODE AND LED TERMINAL BLOCKS



These diode terminal blocks have been specially developed for custom diode circuits, such as test lamps and collective fault signal circuits. Design monitoring units (e.g., for control and operating circuits) via LED terminal blocks.

SENSOR/ACTUATOR TERMINAL BLOCKS



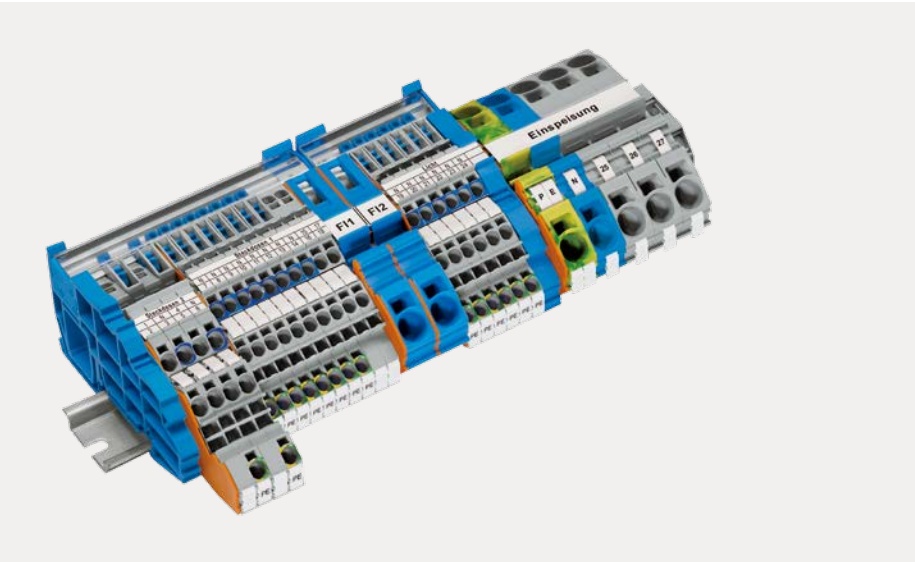
Sensor/actuator terminal blocks are ideal for wiring modern machine control systems. The small spacing between the terminal blocks makes them ideal for compact terminal boxes within a system's decentralized periphery, as well as for centralized installation in the control cabinet.

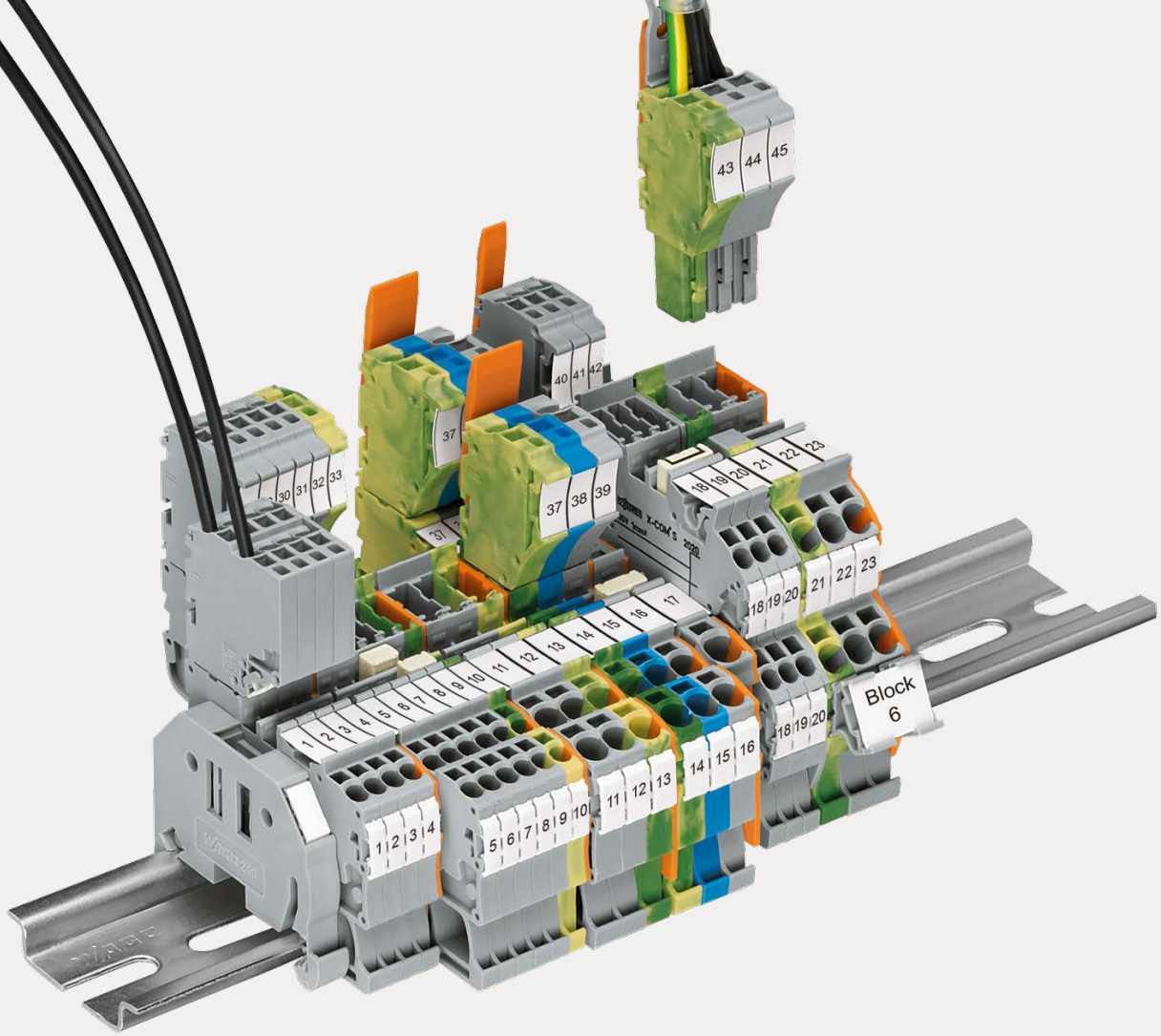
CURRENT AND VOLTAGE TRANSFORMER TERMINAL BLOCKS

Current/voltage transformer (disconnect/test) terminal blocks are designed for current/voltage transformer circuits. These blocks are ideal for safe and automatic short-circuiting, as well as easy measurement applications. The open, touch-proof design permits direct identification of the switched status. All 2007 Series Terminal Blocks are rated at 30 A/500 V (IEC) and 300 V (UL).

INSTALLATION RAIL-MOUNT TERMINAL BLOCKS

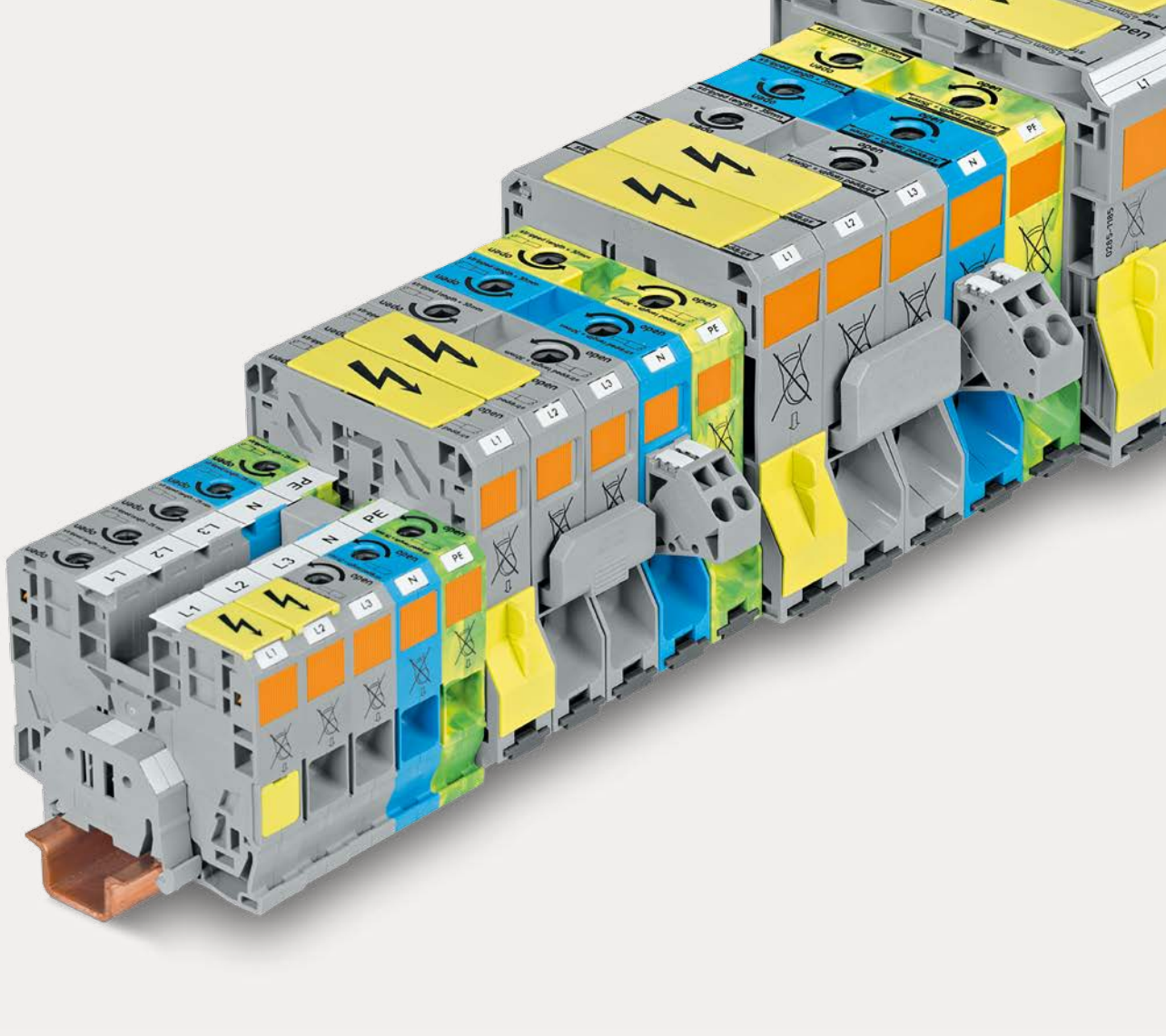
Protect your systems from errors and benefit from even greater efficiency. WAGO's Installation Rail-Mount Terminal Blocks simplify insulation resistance measurement as required by the standards in fire-prone locations and public buildings, while halving testing times.





X-COM®S-SYSTEM PLUGGABLE RAIL-MOUNT TERMINAL BLOCKS

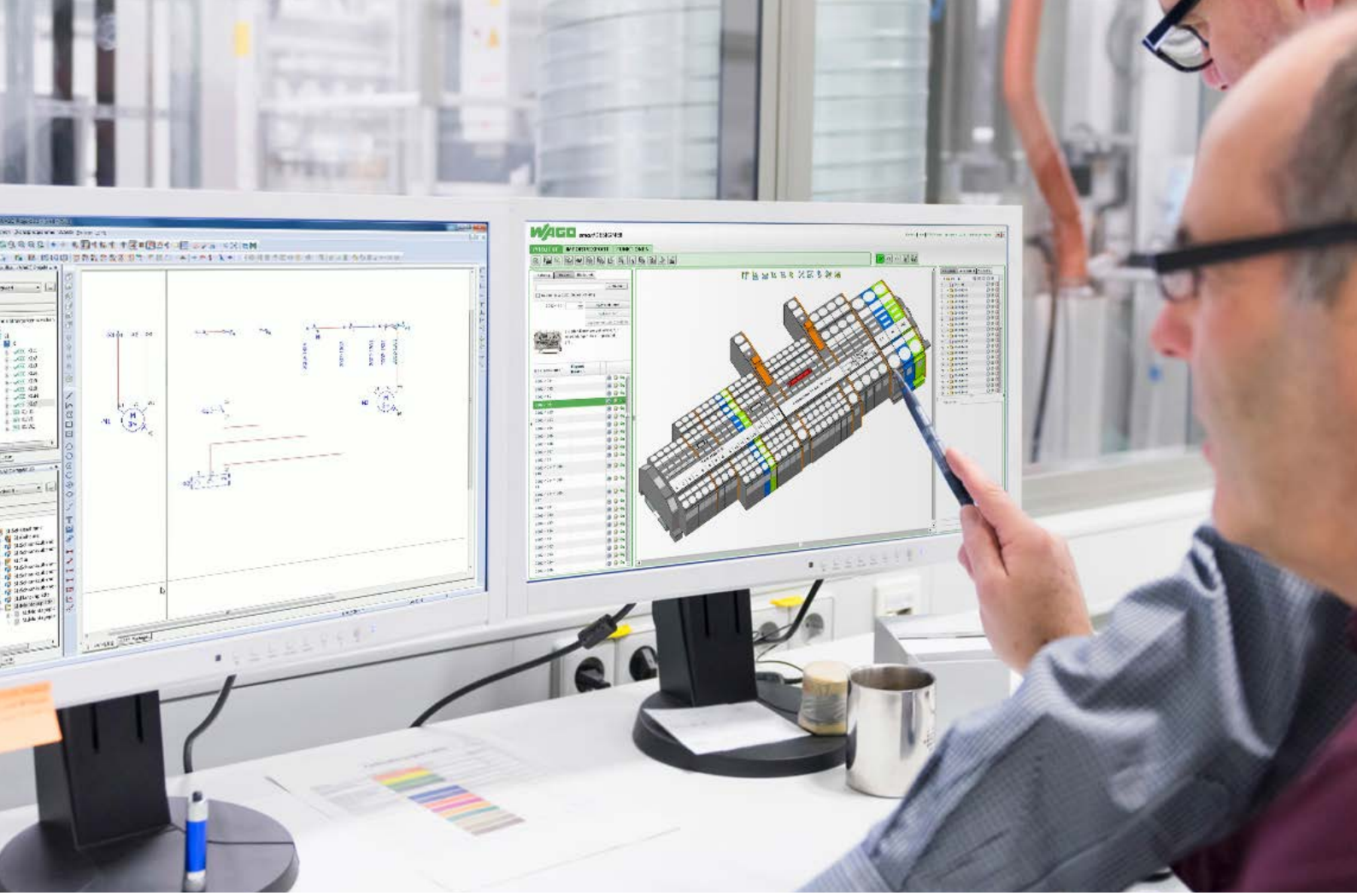
WAGO's X-COM®S-SYSTEM and X-COM®S-SYSTEM-MINI Pluggable Rail-Mount Terminal Blocks are primarily used in switchgear and control applications (e.g., railway systems). They combine rail-mount terminal blocks and pluggable connectors. The system provides time- and cost-saving system wiring during production, assembly, operation and maintenance. The X-COM®S-SYSTEM is available in two different terminal block widths: the 2020 Series X-COM®S-SYSTEM-MINI at 3.5 mm (0.138 inch) and 2022 Series X-COM®S-SYSTEM at 5.2 mm (0.205 inch). It is compatible with our TOPJOB® S Rail-Mount Terminal Block family and its wide range of accessories; e.g., for commoning and marking.



HIGH-CURRENT, RAIL-MOUNT TERMINAL BLOCKS

High-current, rail-mount terminal blocks are equipped with POWER CAGE CLAMP. They provide optimum clamping force for conductors up to 35, 50, 95 and 185 mm² (2, 2/0, 4/0 AWG and 350 kcmil). High-current, rail-mount terminal blocks are ideal for energy-intensive applications in machinery and equipment manufacturing, as well as energy production. WAGO also offers 35, 50, 95 and 185 mm² (2, 2/0, 4/0 AWG and 350 kcmil)

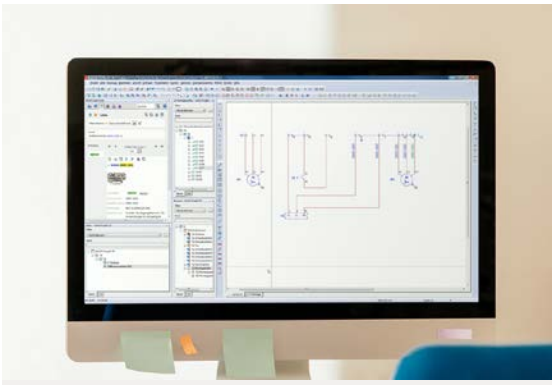
Ex e rail-mount terminal blocks for use in hazardous areas. They are also perfect for applications with the most stringent requirements, including those specified for railway and marine applications. The blocks resist hot and cold – even under the heaviest of loads. The 35 mm² (2 AWG) high-current rail-mount terminal blocks can be connected to 10 or 16 mm² (8 or 6 AWG) TOPJOB® S Rail-Mount Terminal Blocks via step-down jumper.



WAGO *smart*DATA

The cornerstone of each switchgear unit is not just the products used themselves, but it's also individualized electrical planning. To make your planning as smooth as possible from start to finish, WAGO offers you complete data, software tools and interfaces. Based on standards like eCl@ss (basic/advanced) or ETIM, the technical and commercial article data – available as product data for CAE or CAD – is machine-readable and fully compatible with your system. From electrical and mechanical planning, through to delivery, you save time and costs every step of the way.

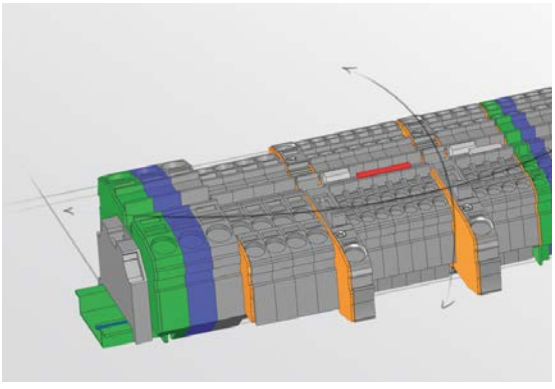
E3 series · ecscad · WSCAD · EPLAN · PC|SCHEMATIC · AUCOTEC Create Synergy - Connect Processes · Treesoft.de Software · Lösungen · Service



Familiar Planning in the CAE Tool
Use your familiar CAE tool for designing circuit diagrams. WAGO offers you high-quality CAE product data and CAE macros. Interfaces to a number of CAE tools (e.g., ePLAN, WS CAD, etc.) permit automatic construction of planned terminal strips in the ***smart***DESIGNER Online Configurator.

Configuration of Individual Products
The ***smart***DESIGNER Product Configurator enables true 3D configuration of WAGO's electrical interconnect and automation components. The configurator can be accessed via Web browser with no installation, making it available any time, anywhere.

Parts Lists and Assembly Diagrams
Export parts lists and assembly diagrams directly from ***smart***DESIGNER to create production documents or support ordering. Benefit from the automatic import of item numbers for individual components to your ERP system and from complete, standards-compliant PDF documentation (e.g., per FSF standard for track and rail vehicles).



CAD Design
Use your familiar CAD tool to import your configuration from the ***smart***DESIGNER. With the availability of various CAD formats (neutral and native 2D/3D CAD formats), this can be done without exceptions. Technical and commercial item information is offered to you with high-quality data. You determine the product data granularity yourself.

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