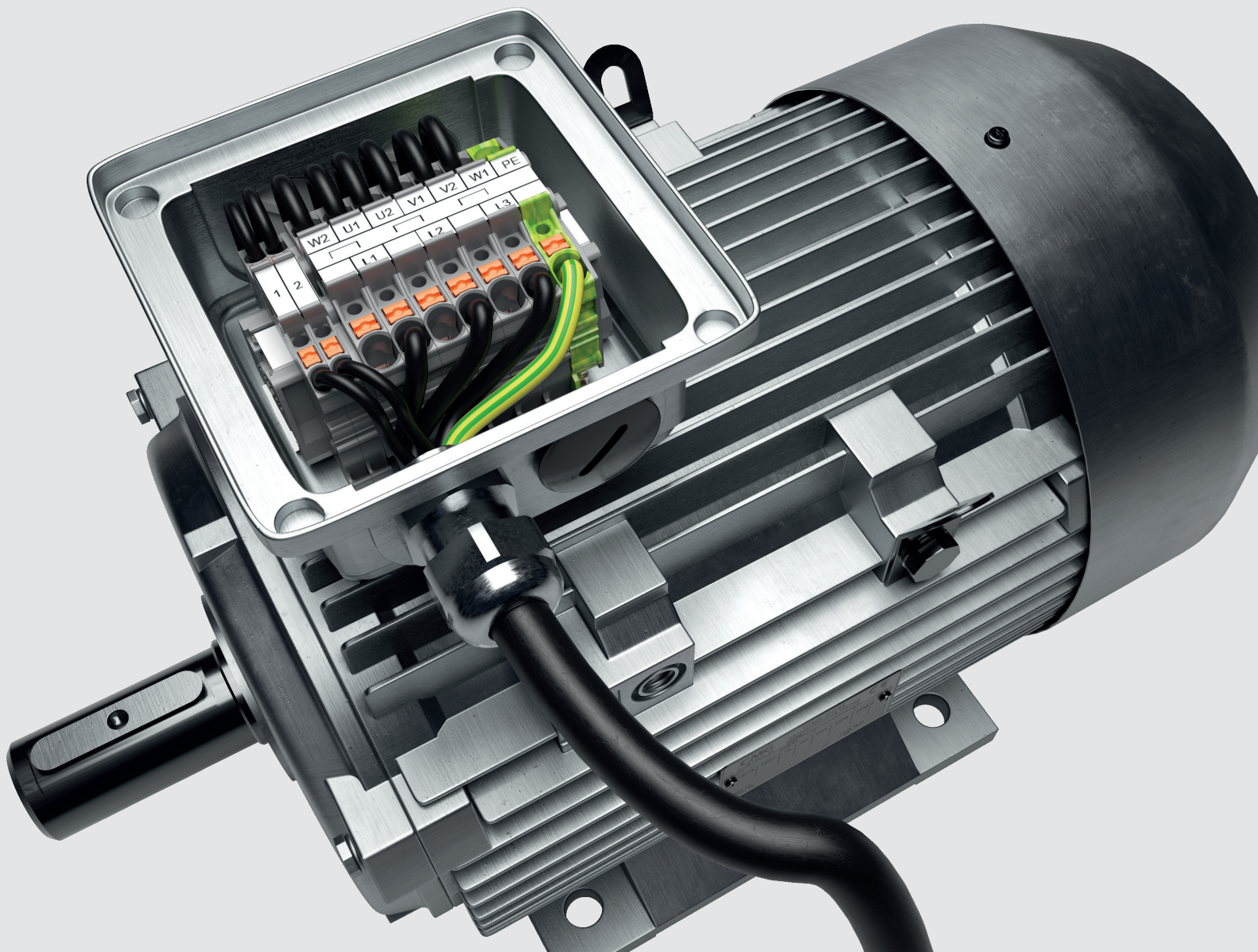# TOPJOB® S Miniature Rail-Mount Terminal Blocks

Unbeatable Space Savings

Miniature Rail-Mount Terminal Blocks

Ideal for Installation in Cramped Terminal Boxes

With lengths of 33 mm (nominal cross-section: 1 mm²) and 36.5 mm (nominal cross-section: 2.5 mm²), WAGO's miniature rail-mount terminal blocks are very compact, making connection particulalry convenient in the cramped terminal boxes of motors or pumps, for example.

2.5 mm² miniature rail-mount terminal blocks are 25% shorter than standard TOPJOB® S rail-mount terminal blocks (e.g., Item Number 2252-1201).
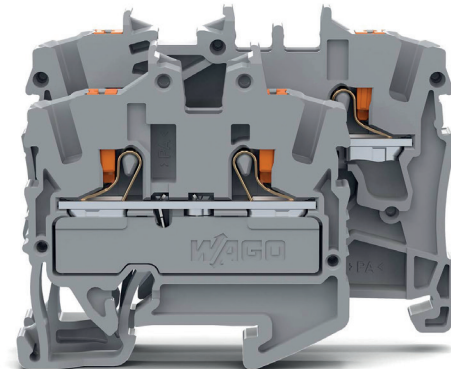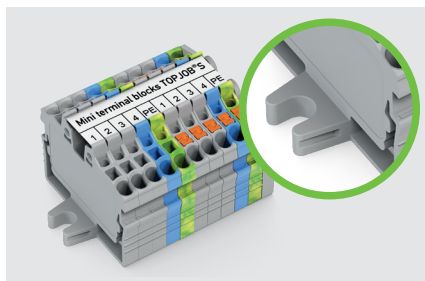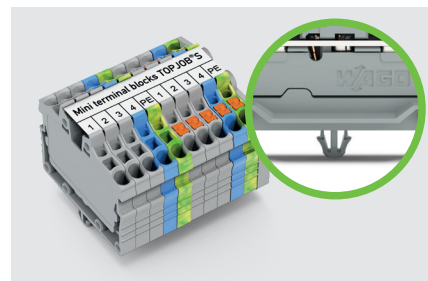
Mounting Versions
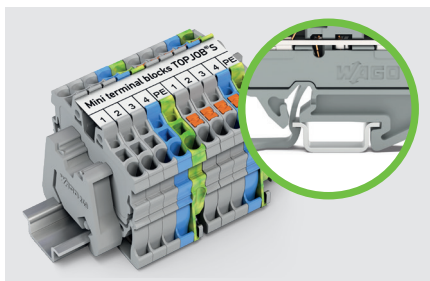
On DIN-rail (15 x 5.5 mm)

- With operating slot or push-button
- Ground (direct) contact
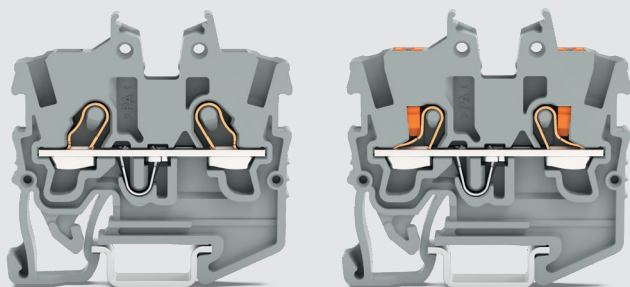
On Mounting Plate via Flange

- With operating slot or push-button
- Mounting via M4 screw

On Mounting Plate via Snap-in Foot

- With operating slot or push-button
- Mounting plate width: 0.6 mm (min.) / 1.2 mm (max.)

Actuation Types with Push-in CAGE CLAMP®

Select from two actuation types:
Terminal blocks with push-buttons or operating slots

Advantages of push-buttons:
- Use any standard operating tool.
- The orange color highlights the actuator, giving users a clear overview at a glance.

**Advantages of operating slots:**
- The tool stays in the operating slot – both hands are free for wiring.
- After insertion, the operating tool marks the clamping point and keeps it open.

Miniature Rail-Mount Terminal Blocks

Application Examples

WAGO's TOPJOB® S Miniature Rail-Mount Terminal Blocks with operating slots or push-buttons feature a compact design, making them ideal for connections in the cramped terminal boxes of motors or pumps, for example.

Miniature Rail-Mount Terminal Blocks in Use
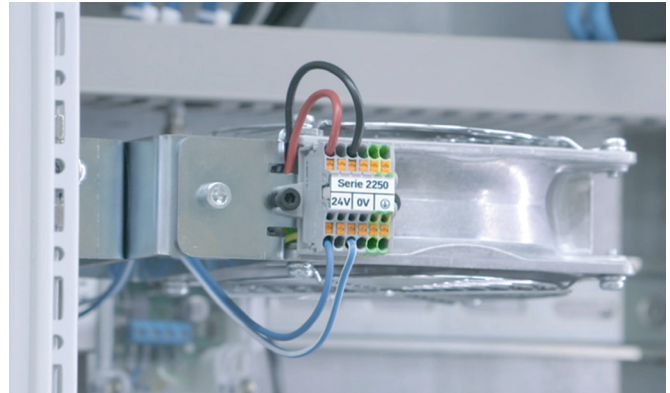
Device Connection in Building Technology – Outdoor Unit of an Air-Conditioning System
So small, yet so large – the generous marking surface of the TOPJOB® S Miniature Rail-Mount Terminal Blocks enables a quick overview in compact subsystems.

www.wago.com/miniature-terminal-blocks-air-conditioning-system

Device Connection in Control Cabinets
A smaller size means a better fit – TOPJOB® S Miniature Rail-Mount Terminal Blocks offer a compact design for device connection in control cabinets.

www.wago.com/miniature-terminal-blocks-control-cabinet

Electric Motor Wiring with Miniature Rail-Mount Terminal Blocks

- Delta connection wiring with pre-assembled delta jumper (e.g., Item Number 2000-0405/011-000)
- Connection type identifiable by multi-line marking strips (e.g., Item Number 2009-110)

Advantages of motor wiring with WAGO's miniature rail-mount terminal blocks compared to the motor terminal board:

- Convenient wiring without conductor preparation
- Save wiring time via plug-in connection technology
- Touch-proof protection
- Maintenance-free
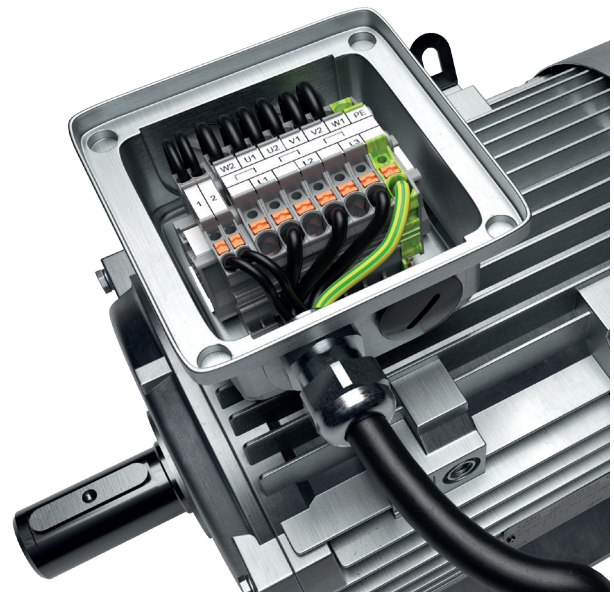
Product Overview

Configure compact terminal block assemblies easily and quickly.

The new free miniature terminal block configurator makes it quick and easy to find the right application solution from our wide range of miniature terminal blocks. This configurator makes it possible to customize terminal block assemblies – in the familiar Smart Designer online configurator environment.

configurator.wago.com/profile/login

Versions	1 mm², 2050 Series, with operating slot, 2250 Series, with push-button	2.5 mm², 2052 Series, with operating slot, 2252 Series, with push-button
Technical Data		
Cross-section	0.14 ... 1 (1.5) mm²	0,25 ... 2.5 (4) mm²
Rated current	13.5 (17.5) A	24 (32) A
Rated voltage	500 V IEC / 300 V UL	800 V IEC / 600 V UL
Approvals	CCA, UL, CSA, IECEx, AEx	CCA, UL, CSA, IECEx, AEx

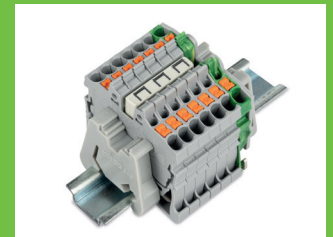| Mounting Versions	Item Number							
Color Versions	**Gray**		**Blue**		**Green-Yellow**		**Brown**	
Nominal Cross-Section	**1 mm²**	**2.5 mm²**	**1 mm²**	**2.5 mm²**	**1 mm²**	**2.5 mm²**	**1 mm²**	**2.5 mm²**
Actuation Type: Operating Slot								
Mounting flange	2050-0301	2052-301	2050-304	2052-304	2050-307	2052-307	2050-301/000-014	2052-301/000-014
Snap-in mounting foot	2050-0311	2052-311	2050-314	2052-314	2050-317	2052-317	2050-311/000-014	2052-311/000-014
Center unit	2050-0321	2052-321	2050-324	2052-324	2050-327	2052-327	2050-321/000-014	2052-321/000-014
DIN-15 rail	2050-1201	2052-1201	2050-1204	2052-1204	2050-1207*	2052-1207*	2050-1201/000-014	2052-1201/000-014
Actuation Type: Push-Button								
Mounting flange	2250-0301	2252-301	2250-304	2252-304	2250-307	2252-307	2250-301/000-014	2252-301/000-014
Snap-in mounting foot	2250-0311	2252-311	2250-314	2252-314	2250-317	2252-317	2250-311/000-014	2252-311/000-014
Center unit	2250-0321	2252-321	2250-324	2252-324	2250-327	2252-327	2250-321/000-014	2252-321/000-014
DIN-15 rail	2250-1201	2252-1201	2250-1204	2252-1204	2250-1207*	2252-1207*	2250-1201/000-014	2250-1201/000-014
Color Versions	**Black**		**Orange**		**Red**		**Yellow**	
Nominal Cross-Section	**1 mm²**	**2.5 mm²**	**1 mm²**	**2.5 mm²**	**1 mm²**	**2.5 mm²**	**1 mm²**	**2.5 mm²**
Actuation Type: Operating Slot								
Mounting flange	2050-305	2052-305	2050-302	2052-302	2050-303	2052-303	2050-306	2052-306
Snap-in mounting foot	2050-315	2052-315	2050-312	2052-312	2050-313	2052-313	2050-316	2052-316
Center unit	2050-325	2052-325	2050-322	2052-322	2050-323	2052-323	2050-326	2052-326
DIN-15 rail	2050-1205	2052-1205	2050-1202	2052-1202	2050-1203	2052-1203	2050-1206	2052-1206
Actuation Type: Push-Button								
Mounting flange	2250-305	2252-305	2250-302	2252-302	2250-303	2252-303	2250-306	2252-306
Snap-in mounting foot	2250-315	2252-315	2250-312	2252-312	2250-313	2252-313	2250-316	2252-316
Center unit	2250-325	2252-325	2250-322	2252-322	2250-323	2252-323	2250-326	2252-326
DIN-15 rail	2250-1205	2252-1205	2250-1202	2252-1202	2250-1203	2252-1203	2250-1206	2252-1206

*Ground terminal block

A Comprehensive Range of Accessories

The WAGO Miniature Rail-Mount Terminal Block is the smallest version in the TOPJOB® S portfolio. And because they're part of the family, all of the industry-trusted TOPJOB® S accessories are also compatible with the miniature rail-mount terminal blocks.


Push-in CAGE CLAMP®
Push-in termination of solid and ferruled conductors

	2050/2250 Series		2052/2252 Series	
	Description	Item Number	Description	Item Number
	Push-in type jumper bar, insulated, light gray (other colors available)			
	2-way	2000-402	2-way	2002-402
	3-way	2000-403	3-way	2002-403
	4-way	2000-404	4-way	2002-404
	Up to 10-way	2000-410	Up to 10-way	2002-410
	Star and delta jumper, insulated, light gray			
	Delta configuration (1-2, 3-4, 5-6)	2000-406/020-000	Delta configuration (1-2, 3-4, 5-6)	2002-406/020-000
	Star configuration (1-3-5)	2000-405/011-000	Star configuration (1-3-5)	2002-405/011-000
	Adjacent jumper for continuous commoning, insulated, light gray (other colors available)			
			2-way	2002-400
			3-way	2002-413
			5-way	2002-415
			1 - 3	2002-423
			1 - 4	2002-424
	Staggered jumper, insulated, light gray, U$_N$ 400 V			
			2-way	2002-472
			Up to 12-way	2002-482
	Customized staggered jumper, insulated, light gray, U$_N$ 400 V			
			1 - 3	2002-473/011-000
			Up to 1-3-5-7-9-11	2002-481/011-000
	WMB Inline markers, on reel, white (other colors available)			
	3.5 mm	2009-113	5 … 5.2 mm	2009-115
	Marking strip, on reel, white, plain			
	11 mm wide			2009-110
	Miniature DIN-rail, 15 x 5.5 mm			
	Steel, slotted, 2 m long			210-111
	Steel, unslotted, 2 m long			210-295
	Aluminum, unslotted, 2 m long			210-296
	Screwless end stop, for miniature DIN-15 rail			
	6 mm wide			249-101
	Mounting foot, for DIN-35 rail, snaps onto terminal blocks with snap-in mounting foot; 6.4 mm wide			
	gray			209-120

Pre-Configured Push-In Type Jumper Bar as Star and Delta Jumper
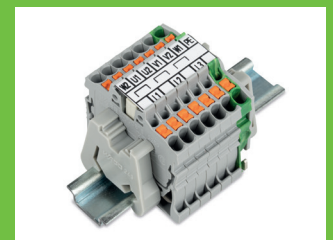
Multi-Line Marking
Convenient, continuous marking strip (Item No. 2009-110) for both terminal block and jumper identification

Mounting Adapter
Mounting foot for DIN-35 rail (Item No. 209-120) for terminal blocks with snap-in mounting feet

Testing
Built-in test points simplify testing with 2 mm Ø test plug (Item No. 210-136)

Miniature Rail-Mount Terminal Block Configurator

Configure compact terminal block assemblies easily and quickly.

The new free miniature rail-mount terminal block configurator simplifies finding the right application solution from our broad portfolio. This configurator makes it possible to customize terminal block assemblies in the familiar WAGO Smart Designer Configurator.

Create a new configuration in the miniature rail-mount terminal block configurator. **configurator.wago.com/profile/login**
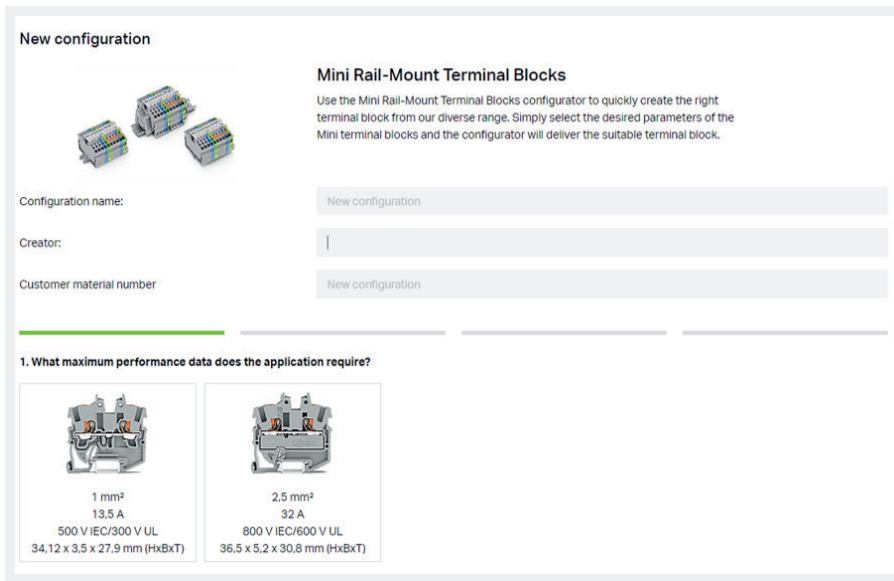
An application-oriented query creates a terminal block based on user inputs.
This requires parameters such as rated data, mounting type, actuation type, number of terminal blocks and desired color variants to be defined according to the application.

Display and extend your configuration in Smart Designer, if required.
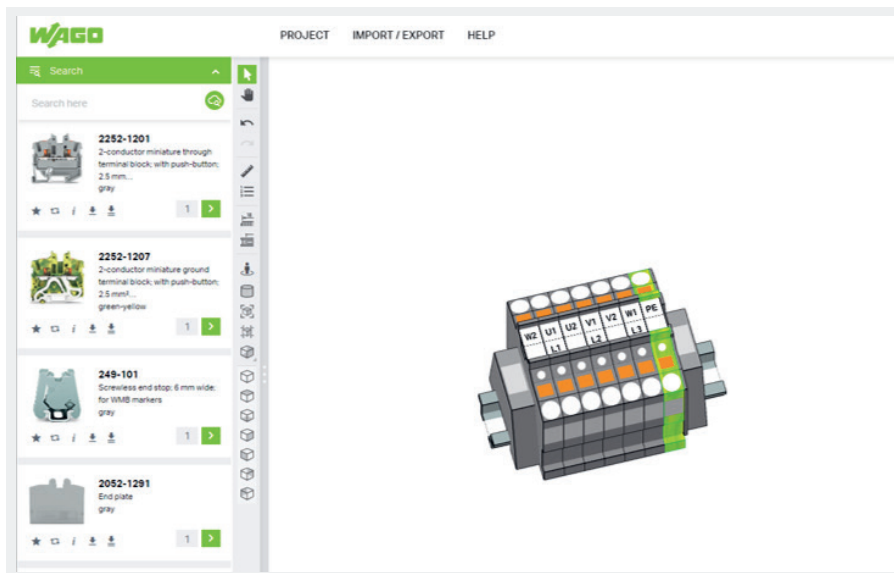
The assembled terminal blocks are configured in 3D in Smart Designer. Here, more terminal blocks, accessories and customized labeling can be added. It is also possible to generate a parts list, CAD and CAE data or to request a quote.

# Easy, Straightforward, Reliable: How to Find Your Digital Twin!

Digital Twin

- A detailed, accurate visual representation of an object, including all its different forms of information
- Wiring can be represented with all wire paths, cable ducts and DIN-rails, as well as all drilled holes and cut-outs
- Many activities are simplified and individual positions within a building system are easier to identify thanks to a 3D visualization

- As a result, manufacturing is faster and the error rate drops significantly
- Save time and money
- Status data can be exchanged between the real and digital twin during ongoing operation

Practical Example

A WAGO partner uses AutoCAD to set up its project in 3D. By doing so, it is also simulating its digital twin. Therefore, our partner needs digital twins of WAGO's miniature terminal blocks to simulate the installation space and to position the drilled holes for the mounting plate's flange.
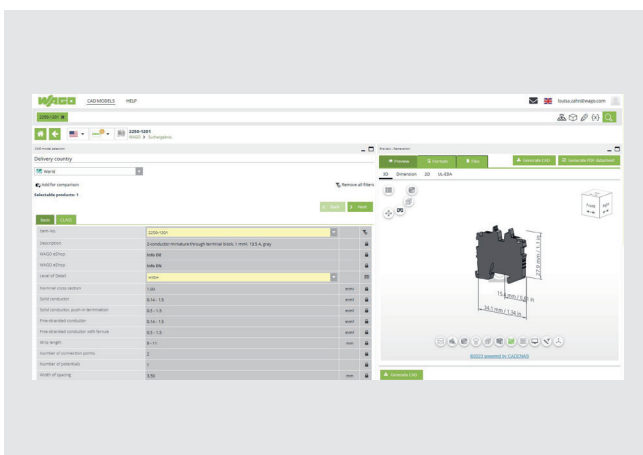
Only a few steps are needed to obtain a digital twin from WAGO:
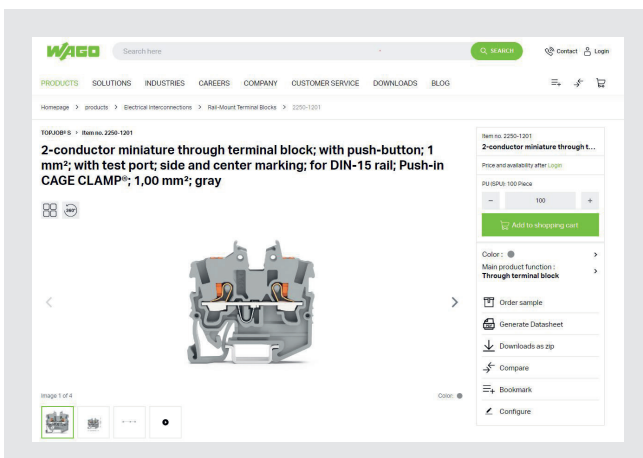
1 Search for the necessary item at www.wago.de.
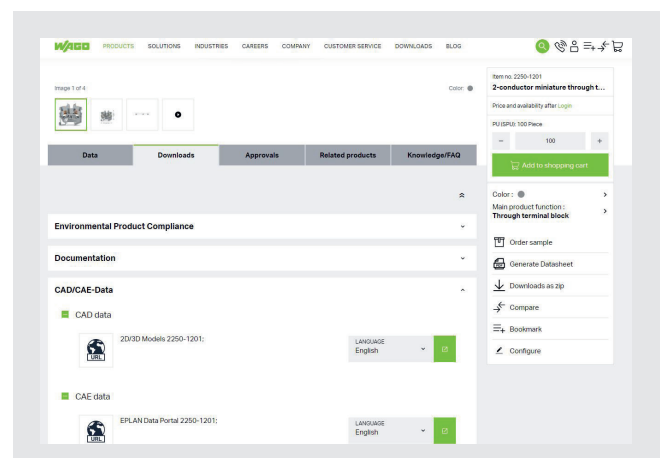
2 When you find the item, go to "Downloads/CAD/CAE data."

3 In the WAGO Part Community, you can select the proper CAD twin from among more than 60 different formats.

Digital twins, in addition to 3D models, also require electrical functional descriptions. Depending on the engineering software, they are located in the **EPLAN Data Portal**, the **Zuken Component Cloud** or the **WSCAD Universe** for download.

MM-335607 - 60518447 MINI TERMINAL BLOCKSBROCHURE 1.0 US 0888-3033/0100-6901 - 02/2023-00 - Printed in Germany - Subject to change