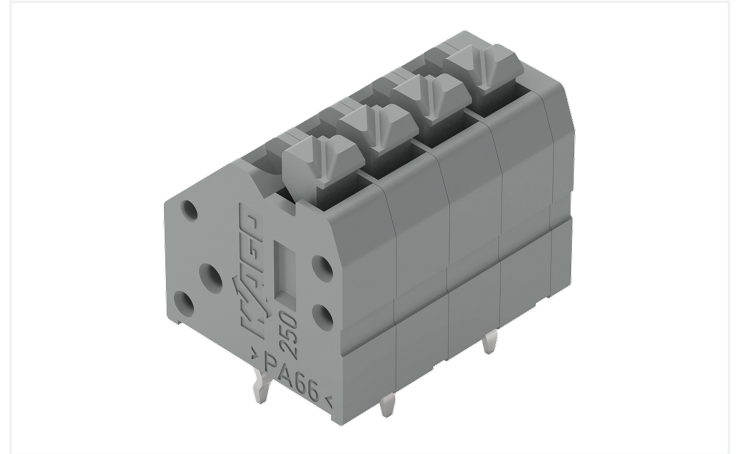
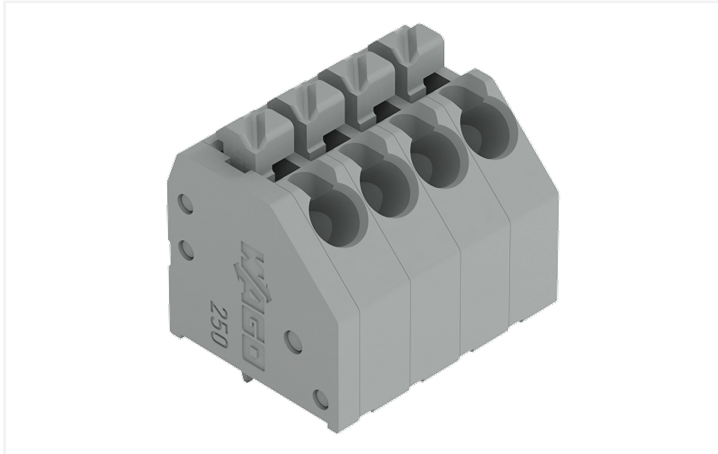


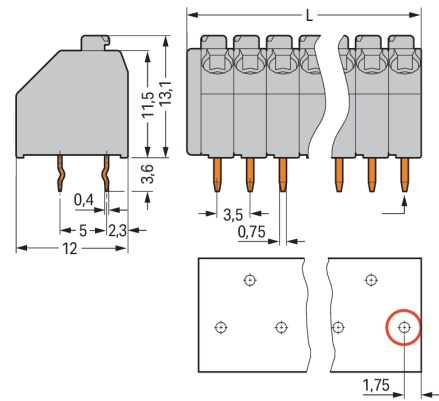
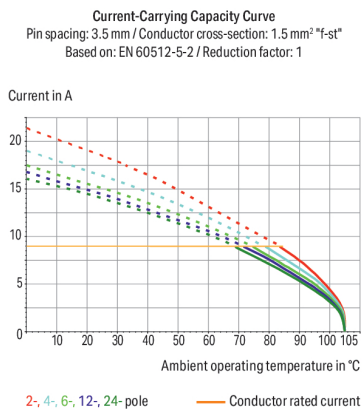
Data Sheet | Item Number: 250-204

PCB terminal block; push-button; 1.5 mm²; Pin spacing 3.5 mm; 4-pole; Push-in CAGE CLAMP®; gray

<https://www.wago.com/250-204>



Color: ■ gray



Dimensions in mm

L = (pole no. x pin spacing) + 1.5 mm First solder pin, front right (red circle)

PCB terminal block, 250 Series, Push-in CAGE CLAMP®

Quick and easy connections are guaranteed with this PCB terminal block (item number 250-204). You can rely on tried and tested safety with these PCB terminal blocks, perfect for a wide variety of applications when designing your devices. Conductors can only be connected to this PCB terminal block if their strip length is between 8.5 and 9.5 mm. Featuring one conductor terminal along with Push-in CAGE CLAMP®, this connector delivers reliable performance. Push-in CAGE CLAMP® technology provides a universal connection solution for all conductor types. It allows both solid and fine-stranded conductors with ferrules to be inserted directly into the clamping point without the need for tools. Dimensions: (15.5 x 16.7 x 12) mm (width x height x depth). This PCB terminal block is suitable for conductor cross-sections ranging from 0.2 mm² to 1.5 mm².

Push-in CAGE CLAMP® spring pressure connection – for reliable installations instead of time-consuming screw connections

The contact surface is tin-coated This PCB terminal block is operated with a push-button. THT is used to assemble the PCB terminal block. Insert the conductor at an angle of 45°..

- Safe and fast installation
- Actuation via push-button
- Pin spacing: 3.5 mm
- Number of poles: 4
- Soldering via THT

Notes	
General safety information	NOTICE: Observe installation and safety instructions!
	To be sold only with installation instructions!
Variants:	Other pole numbers Other colors Mixed-color PCB connector strips Terminal strips with spacers Direct marking Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/ .

Electrical data				
Ratings per		IEC/EN 60664-1		
Overvoltage category		III	III	II
Pollution degree		3	2	2
Nominal voltage		250 V	320 V	630 V
Rated impulse withstand voltage		4 kV	4 kV	4 kV
Rated current		8 A	8 A	8 A
Approvals per		UL 1059		
Use group		B	C	D
Rated voltage		300 V	-	300 V
Rated current		8 A	-	5 A
Approvals per		CSA		
Use group		B	C	D
Rated voltage		300 V	-	300 V
Rated current		10 A	-	10 A

Connection Data																				
Clamping units	4	Connection 1 <table><tr><td>Connection technology</td><td>Push-in CAGE CLAMP®</td></tr><tr><td>Actuation type</td><td>Push-button</td></tr><tr><td>Solid conductor</td><td>0.2 ... 1.5 mm² / 24 ... 16 AWG</td></tr><tr><td>Fine-stranded conductor</td><td>0.2 ... 1.5 mm² / 24 ... 16 AWG</td></tr><tr><td>Fine-stranded conductor; with insulated ferrule</td><td>0.25 ... 1 mm²</td></tr><tr><td>Fine-stranded conductor; with uninsulated ferrule</td><td>0.25 ... 1 mm²</td></tr><tr><td>Strip length</td><td>8.5 ... 9.5 mm / 0.33 ... 0.37 inches</td></tr><tr><td>Conductor connection direction to PCB</td><td>45 °</td></tr><tr><td>Pole number</td><td>4</td></tr></table>	Connection technology	Push-in CAGE CLAMP®	Actuation type	Push-button	Solid conductor	0.2 ... 1.5 mm ² / 24 ... 16 AWG	Fine-stranded conductor	0.2 ... 1.5 mm ² / 24 ... 16 AWG	Fine-stranded conductor; with insulated ferrule	0.25 ... 1 mm ²	Fine-stranded conductor; with uninsulated ferrule	0.25 ... 1 mm ²	Strip length	8.5 ... 9.5 mm / 0.33 ... 0.37 inches	Conductor connection direction to PCB	45 °	Pole number	4
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Conductor connection direction to PCB	45 °																			
Pole number	4																			
Total number of potentials	4																			
Number of connection types	1																			
Number of levels	1																			

Physical data	
Pin spacing	3.5 mm / 0.138 inches
Width	15.5 mm / 0.61 inches
Height	16.7 mm / 0.657 inches
Height from the surface	13.1 mm / 0.516 inches
Depth	12 mm / 0.472 inches
Solder pin length	3.4 mm
Solder pin dimensions	0.4 x 0.75 mm
Drilled hole diameter	1.1 ^(+0.1) mm



PCB contact		
PCB contact		THT
Solder pin arrangement		over the entire terminal strip (staggered)
Number of solder pins per potential		1

Material data		
Note (material data)		Information on material specifications can be found here
Color		gray
Material group		I
Insulation material (main housing)		Polyamide (PA66)
Flammability class per UL94		V0
Clamping spring material		Copper alloy
Contact Plating		Tin
Fire load		0.041 MJ
Weight		2.1 g

Environmental requirements		
Limit temperature range		-60 ... +105 °C

Commercial data		
Product Group		4 (Printed Circuit Connectors)
PU (SPU)		300 (75) pcs
Packaging type		Box
Country of origin		CH
GTIN		4044918648332
Customs tariff number		85369010000

Product Classification		
UNSPSC		39121409
eCl@ss 10.0		27-44-04-01
eCl@ss 9.0		27-44-04-01
ETIM 9.0		EC002643
ETIM 10.0		EC002643
ECCN		NO US CLASSIFICATION

Environmental Product Compliance		
RoHS Compliance Status		Compliant, No Exemption



Downloads		
Environmental Product Compliance		
Compliance Search		
Environmental Product Compliance 250-204		↓

Documentation			
Safety Data Sheet		Additional Information	
Handling and Safety Instructions of PCB Terminal Blocks with Push-In Cage Clamp	pdf 393.90 KB	Technical Section 03.04.2019	pdf 2027.26 KB
	↓		↓

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 250-204	EPLAN Data Portal 250-204
↓	↓
	ZUKEN Portal 250-204
	↓

PCB Design	
Symbol and Footprint via SamacSys 250-204	↓
Symbol and Footprint via Ultra Librarian 250-204	↓