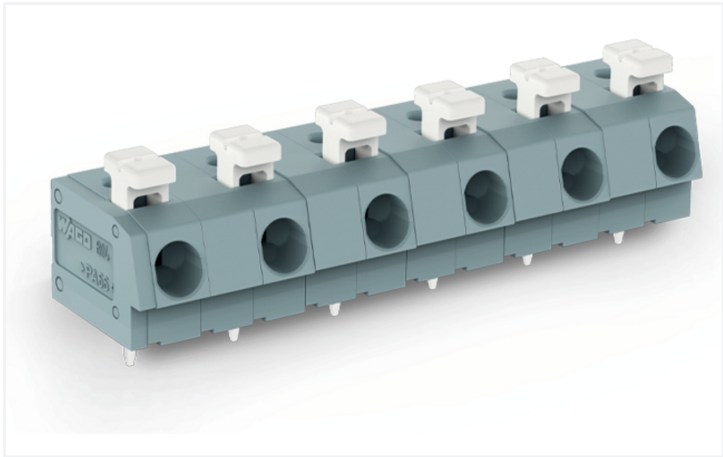




Color: ■ gray Similar to illustration

- PCB terminal strips with push-buttons and Push-in CAGE CLAMP® connection
- Push-in termination of solid and ferruled, fine-stranded conductors
- A large conductor entry accommodates conductors with a cross-section up to 12 AWG with an insulation diameter up to 4.2 mm
- Terminal strips with spacers to increase pin spacing
- Versions available with custom internal commoning (factory assembly), e.g., commoning ground conductor

Notes	
Variants:	Other pole numbers Other colors Mixed-color PCB connector strips 10 mm pin spacing version with spacers Direct marking Versions for Ex i 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		320 V	320 V	630 V
Rated impulse withstand voltage		4 kV	4 kV	4 kV
Rated current		24 A	24 A	24 A
Approvals per		UL 1059		
Use group		B	C	D
Rated voltage		300 V	-	300 V
Rated current		10 A	-	10 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	2	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>0.25 ... 2.5 mm² / 20 ... 12 AWG</td></tr><tr><td>Fine-stranded conductor</td><td>0.25 ... 2.5 mm² / 22 ... 12 AWG</td></tr><tr><td>Fine-stranded conductor; with insulated ferrule</td><td>0.25 ... 2.5 mm²</td></tr><tr><td>Fine-stranded conductor; with uninsulated ferrule</td><td>0.25 ... 2.5 mm²</td></tr><tr><td>Strip length</td><td>10 ... 11 mm / 0.39 ... 0.43 inches</td></tr><tr><td>Conductor connection direction to PCB</td><td>0 °</td></tr><tr><td>Pole number</td><td>2</td></tr></table>	Connection technology	Push-in CAGE CLAMP®	Actuation type	Push-button	Solid conductor	0.25 ... 2.5 mm² / 20 ... 12 AWG	Fine-stranded conductor	0.25 ... 2.5 mm² / 22 ... 12 AWG	Fine-stranded conductor; with insulated ferrule	0.25 ... 2.5 mm²	Fine-stranded conductor; with uninsulated ferrule	0.25 ... 2.5 mm²	Strip length	10 ... 11 mm / 0.39 ... 0.43 inches	Conductor connection direction to PCB	0 °	Pole number	2
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Fine-stranded conductor; with uninsulated ferrule	0.25 ... 2.5 mm²																			
Strip length	10 ... 11 mm / 0.39 ... 0.43 inches																			
Conductor connection direction to PCB	0 °																			
Pole number	2																			
Total number of potentials	2																			
Number of connection types	1																			
Number of levels	1																			

Physical data		
Pin spacing		10 mm / 0.394 inches
Width		13.5 mm / 0.531 inches
Height		18.1 mm / 0.713 inches
Height from the surface		14.5 mm / 0.571 inches
Depth		15 mm / 0.591 inches
Solder pin length		3.6 mm
Solder pin dimensions		0.8 x 0.6 mm
!		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		2

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		Chrome-nickel spring steel (CrNi)
Contact material		Electrolytic copper (E _{Cu})
Contact Plating		Tin
Fire load		0.066 MJ
Weight		2.6 g

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



Commercial data	
PU (SPU)	300 (75) pcs
Packaging type	Box
Country of origin	CH
GTIN	4055143844512
Customs tariff number	85369010000

Product Classification	
UNSPSC	39121409
ETIM 9.0	EC002643
ETIM 10.0	EC002643
ECCN	NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Downloads

Documentation

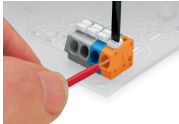
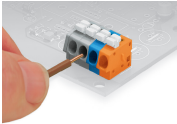
Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	

CAD/CAE-Data

PCB Design	
Symbol and Footprint via SamacSys 804-202	
Symbol and Footprint via Ultra Librarian 804-202	

Installation Notes

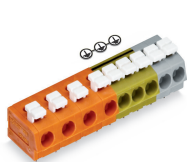
Conductor termination



Terminating solid conductors: Simply push in stripped conductor until it hits the backstop.

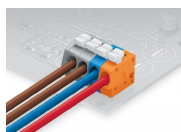
Inserting/removing fine-stranded conductors:
Open the clamping unit via push-button and insert a stripped conductor until it hits the backstop.

Application



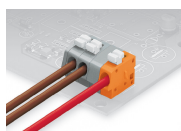
WAGO's 804 Series Terminal Strips provide "internal commoning" to meet requirements than ban routing the ground conductor over the board. This enables custom terminal strips to be commoned and marked at the factory upon request.

Installation



Mixed-color terminal strips are available upon request.

Installation



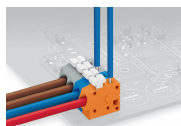
Terminal strips with spacer are available upon request.

Marking



Labeling via self-adhesive marking strips or factory direct marking.

Testing



Testing via 1 mm Ø test pin.
Touch contact with current bar.