

Data Sheet | Item Number: 804-309/000-008

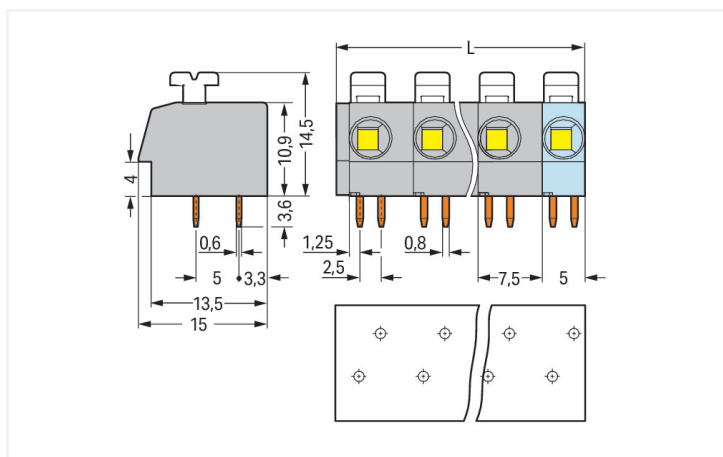
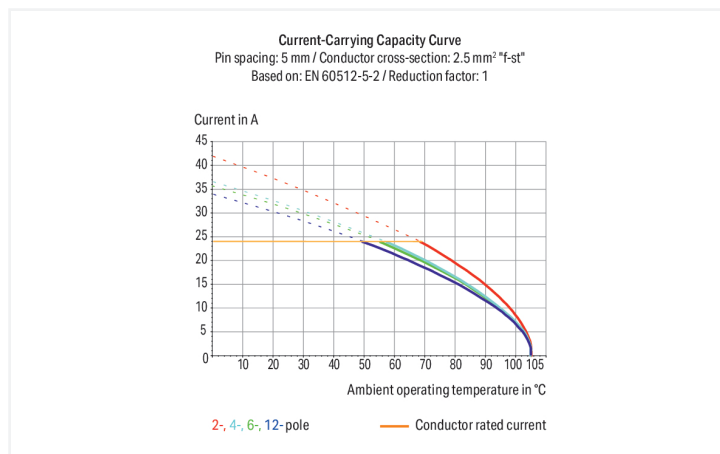
PCB terminal block; push-button; 2.5 mm²; Pin spacing 7.5 mm; 9-pole; Push-in CAGE CLAMP®; dark gray

<https://www.wago.com/804-309/000-008>



Color: ■ dark gray

Similar to illustration



Dimensions in mm

L = (pole no. - 1) x pin spacing + 5 mm + 1.5 mm

PCB terminal block, 804 Series, Push-in CAGE CLAMP®

Our PCB terminal block (item number 804-309/000-008) is the ideal way to connect conductors quickly and securely. It offers the flexibility needed for different mounting types. Strip lengths must be between 10 and 11 mm when connecting conductors to this PCB terminal block. This product incorporates one conductor terminal and utilizes Push-in CAGE CLAMP®. 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. The item's dimensions are (66.5 x 18.1 x 15) mm (width x height x depth). Depending on the conductor type, this PCB terminal block is suitable for conductor cross sections ranging from 0.25 mm² to 2.5 mm².

The contact surface is coated with tin. This PCB terminal block is operated with a push-button. The PCB terminal block is designed for THT soldering. The conductor is designed to be inserted into the board at a 0° angle..

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	9	
Total number of potentials	9	
Number of connection types	1	
Number of levels	1	
Connection 1		
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 ... 1.5 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	9	

Physical data	
Pin spacing	7.5 mm / 0.295 inches
Width	66.5 mm / 2.618 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
Drilled hole diameter with tolerance	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		dark 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		0.172 MJ
Weight		10.9 g

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

Commercial data		
PU (SPU)		60 (15) pcs
Packaging type		Box
Country of origin		CH
GTIN		4055143800471
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 8.0		EC002643
ECCN		NO US CLASSIFICATION

Environmental Product Compliance		
RoHS Compliance Status		Compliant, No Exemption

Downloads

Environmental Product Compliance

Compliance Search			
Environmental Product Compliance	804-309/000-008		

Documentation

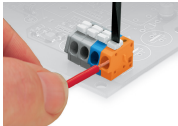
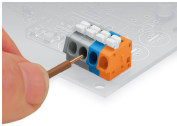
Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	

CAD/CAE-Data

PCB Design			
Symbol and Footprint via SamacSys	804-309/000-008		
Symbol and Footprint via Ultra Librarian	804-309/000-008		

Installation Notes

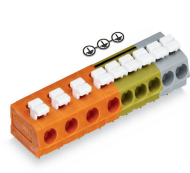
Conductor termination



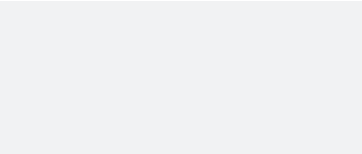
Terminating solid conductors: Simply push in stripped conductor until it hits the backstop.

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

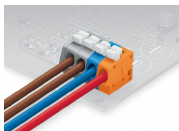
Application



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.

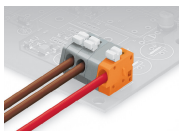


Installation



Mixed-color terminal strips are available upon request.

Installation



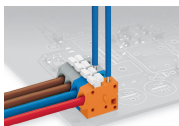
Terminal strips with spacer are available upon request.

Marking



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

Testing



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