PCB terminal block; push-button; 2.5 mm²; Pin spacing 5 mm; 4-pole; Push-in CAGE

CLAMP®; 2,50 mm²; gray

https://www.wago.com/804-104



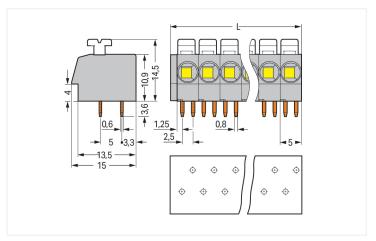


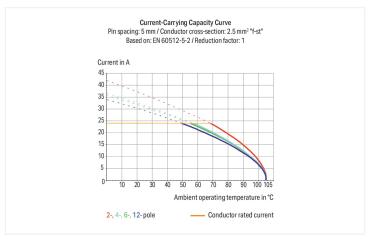


Color: ■ gray









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

https://www.wago.com/804-104



UL 1059

D 300 V 10 A

PCB terminal block, 804 Series, with 5 mm pin spacing

Our PCB terminal block (item number 804-104) ensures effortless electrical installations. It is perfect for custom installations with different mounting types. Rated current and voltage are key factors to consider when selecting a PCB terminal block, as they determine the product's suitability for different applications. This product has a rated voltage of 320 V and a rated current of 24 A, making it suitable for high-load applications. Strip lengths must be between 10 mm and 11 mm when connecting conductors to this PCB terminal block. Featuring one conductor terminal along with Push-in CAGE CLAMP®, this product delivers reliable performance. Our Push-in CAGE CLAMP® is a universal, maintenance-free connection solution for all conductor types, featuring a winning design: both solid and fine-stranded conductors with ferrules can be directly inserted without the need for tools or any preparation, such as crimping the ferrule. Dimensions: 21.5 x 18.1 x 15 mm (width x height x depth). This PCB terminal block is suitable for conductor cross sections ranging from 0.25 mm² to 2.5 mm². Up to four potentials / four poles can be connected to this terminal strip using four clamping points on one level. The contacts are made of electrolytic copper (ECu), the gray housing is made of polyamide (PA66) for insulation, and the clamping spring is made of chrome-nickel spring steel (CrNi). Tin is used for coating the contact surfaces. This PCB terminal block is operated with a push-button. The PCB terminal block is designed for THT soldering. Insert the conductor at an angle of 0°... The solder pins are organized over the entire terminal strip (staggered). They are 0.8 x 0.6 mm and 3.6 mm in length. Each potential has two solder pins.

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	IE	C/EN 60664	-1	Approvals per	
Overvoltage category	III	III	II	Use group	В
Pollution degree	3	2	2	Rated voltage	300
Nominal voltage	250 V	320 V	630 V	Rated current	10 Å
Rated surge voltage	4 kV	4 kV	4 kV		
Rated current	24 A	24 A	24 A		

Approvals per		CSA	
Use group	В	С	D
Rated voltage	300 V	-	300 V
Rated current	10 A	-	10 A

nnection data				
amping units	4		Connection 1	
otal number of potentials	4		Connection technology	Push-in CAGE CLAMP®
umber of connection types	1		Actuation type	Push-button
lumber of levels	1		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 mm ²
		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	4

Data Sheet | Item Number: 804-104 https://www.wago.com/804-104



Physical data	
Pin spacing	5 mm / 0.197 inches
Width	21.5 mm / 0.846 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)	
	<u>Information on material specifications can be found here</u>
Color	gray
Material group	1
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	VO
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Electrolytic copper (E _{Cu})
Contact Plating	Tin
Fire load	0.094 MJ
Weight	4.2 g

Environmental requirements	
Limit temperature range	-60 +105 °C

Commercial data	
Product Group	4 (Printed Circuit Connectors)
eCl@ss 10.0	27-44-04-01
eCl@ss 9.0	27-44-04-01
ETIM 9.0	EC002643
ETIM 8.0	EC002643
PU (SPU)	220 (55) pcs
Packaging type	Box
Country of origin	CH
GTIN	4044918515009
Customs tariff number	85369010000

https://www.wago.com/804-104



Environmental Product Compliance

RoHS Compliance Status Compliant, No Exemption

Approvals / Certificates

General approvals









Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947-7-4	NTR NL 7781
CCA DEKRA Certification B.V.	EN 60947-7-4	71-110710
ENEC 15 UL International Germany GmbH	EN 60998	ENEC-00096
UL UL International Germany GmbH	UL 1977	E45171
UL UL International Germany	UL 1059	E45172

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 804-104



Documentation

Additional Information

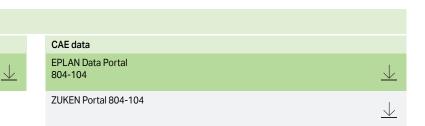
Technical Section

CAD/CAE-Data CAD data

2D/3D Models 804-104

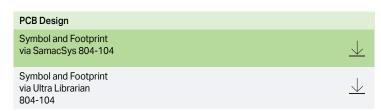
03.04.2019

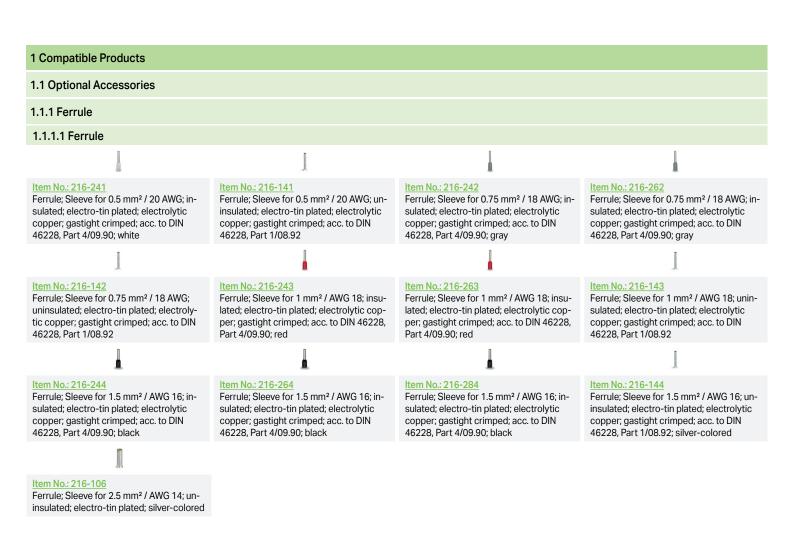
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https://www.wago.com/804-104







1.1.2 Marking

1.1.2.1 Marking strip

Item No.: 210-332/500-202

Marking strips; as a DIN A4 sheet; MAR-KED; 1-16 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white

Item No.: 210-332/500-205

Marking strips; as a DIN A4 sheet; MAR-KED; 1-32 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white

Item No.: 210-332/500-204

Marking strips; as a DIN A4 sheet; MAR-KED; 17-32 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white

Item No.: 210-332/500-206

Marking strips; as a DIN A4 sheet; MAR-KED; 33-48 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white

https://www.wago.com/804-104



1.1.3 Tool

1.1.3.1 Operating tool

Item No.: 210-720

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured



Item No.: 210-657

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; short; multicoloured

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.

https://www.wago.com/804-104



Marking



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

Testing



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

 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$

Version 15.02.2025