

Data Sheet | Item Number: 236-402/000-009

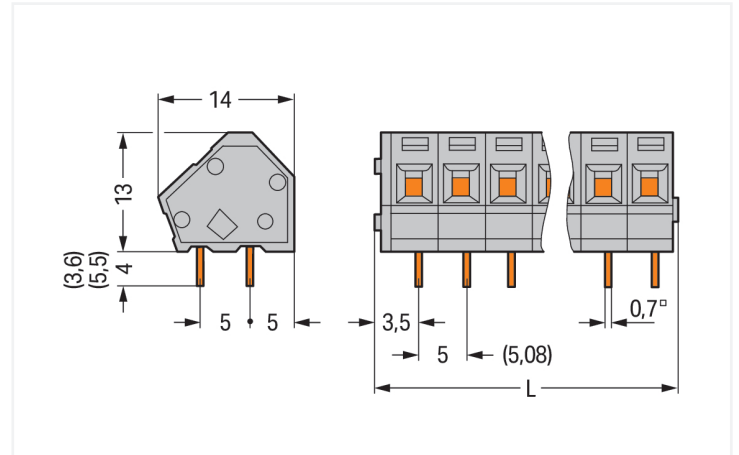
PCB terminal block; 2.5 mm²; Pin spacing 5/5.08 mm; 2-pole; CAGE CLAMP®; commoning option; light gray

<https://www.wago.com/236-402/000-009>



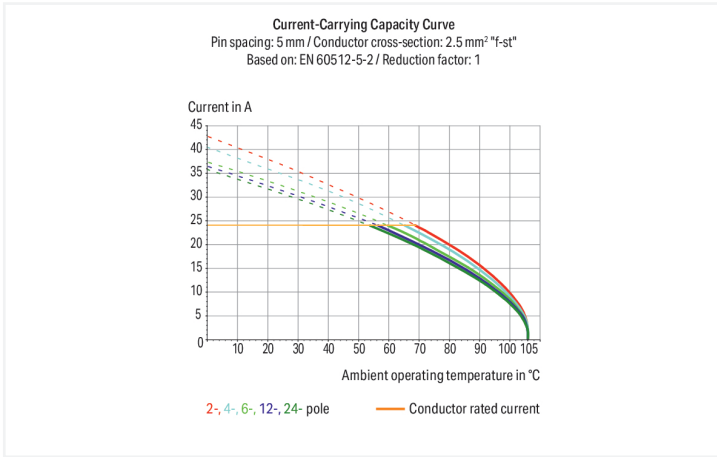
Color: ■ light gray

Similar to illustration



Dimensions in mm

L = (pole no. x pin spacing) + 2.3 mm



PCB terminal block, 236 Series, operating tool

Our PCB terminal block (item number 236-402/000-009) ensures effortless electrical installations. It is a universal connector that can be used practically anywhere, for example, as a pluggable PCB connector, panel feedthrough header, connector for rail-mount terminal blocks, or a floating connector for different mounting methods. This PCB terminal block has a rated voltage of 320 V and can handle currents up to 24 A, making it ideal for high-load applications. Conductors can only be connected to this PCB terminal block if their strip length is between 5 mm and 6 mm. This product features one conductor terminal and utilizes CAGE CLAMP®. Our highly-rated and maintenance-free CAGE CLAMP® connection makes it easy to connect all conductor types without having to prepare the conductor. For example, you don't need to crimp ferrules. The dimensions are 12.3 x 17 x 14 mm (width x height x depth). Depending on the conductor type, this PCB terminal block is suitable for conductor cross sections ranging from 0.08 mm² to 2.5 mm². It features one level and two clamping points that you can use to connect two potentials / 2 poles. The light gray housing is made of polyamide (PA66) for insulation, the contacts are made of electrolytic copper (ECu), and the clamping spring is made of chrome-nickel spring steel (CrNi). The contact surface is coated with tin. This PCB terminal block is operated with an operating tool. THT is used to solder the PCB terminal block. The conductor is designed to be inserted at an angle of 45°. The solder pins measure 0.7 x 0.7 mm in cross-section and 4 mm in length and are laid out over the entire terminal strip (in-line). There are two solder pins per potential.

Notes

Variants:

Other pole numbers
Versions for Ex e II and Ex i
Other colors
Mixed-color PCB connector strips
Direct marking
Solder pin length: 3.6 mm
Solder pin length: 5.5 mm
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 surge 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	15 A	-	10 A

Approvals per	CSA		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	15 A	-	10 A

Connection data

Clamping units	2
Total number of potentials	2
Number of connection types	1
Number of levels	1

Connection 1	
Connection technology	CAGE CLAMP®
Actuation type	Operating tool
Solid conductor	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 1.5 mm ²
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 1.5 mm ²
Note (conductor cross-section)	12 AWG: THHN, THWN
Strip length	5 ... 6 mm / 0.2 ... 0.24 inches
Conductor connection direction to PCB	45 °
Pole number	2

Physical data

Pin spacing	5/5.08 mm / 0.197/0.2 inches
Width	12.3 mm / 0.484 inches
Height	17 mm / 0.669 inches
Height from the surface	13 mm / 0.512 inches
Depth	14 mm / 0.551 inches
Solder pin length	4 mm
Solder pin dimensions	0.7 x 0.7 mm
Drilled hole diameter with tolerance	1.1 (+0.1) mm

PCB contact

PCB contact	THT
Solder pin arrangement	over the entire terminal strip (in-line)
Number of solder pins per potential	2

Material data

Note (material data)

[Information on material specifications can be found here](#)

Color	light 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	0.03 MJ
Weight	1.9 g

Environmental requirements

Limit temperature range	-60 ... +105 °C
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Commercial data

Product Group	4 (Printed Circuit Connectors)
PU (SPU)	420 (105) pcs
Packaging type	Box
Country of origin	CH
GTIN	4044918768740
Customs tariff number	85369010000

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
CSA DEKRA Certification B.V.	C22.2 No. 158	1673957
UL Underwriters Laboratories Inc.	UL 1059	UL-US-2406095-0

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance
236-402/000-009



Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB	
Gebrückte Klemmenleisten für Leiterplatten		pdf 303.71 KB	

CAD/CAE-Data

CAD data

2D/3D Models
236-402/000-009



1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule



Item No.: 216-101

Ferrule; Sleeve for 0.5 mm² / AWG 22; un-insulated; electro-tin plated; silver-colored

Item No.: 216-102

Ferrule; Sleeve for 0.75 mm² / AWG 20; un-insulated; electro-tin plated; silver-colored

1.1.2 Stickers with operating instructions

1.1.2.1 Stickers with operating instructions



Item No.: 210-191

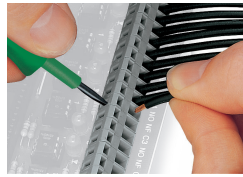
Stickers for operating instructions; for PCB terminal blocks; 236 Series

Installation Notes

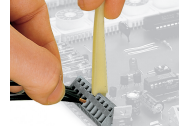
Conductor termination



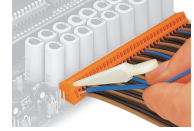
Inserting a conductor via 3.5 mm screwdriver. Screwdriver actuation parallel to conductor entry



Inserting a conductor via 3.5 mm screwdriver. Screwdriver actuation perpendicular to conductor entry



Inserting a conductor via operating tool.



Compared to standard screwdrivers, these operating tools are far more convenient for wiring PCB terminal strips at factory.

Installation



PCB Terminal Strips placed behind each other save space – staggering them by half the pin spacing simplifies subsequent wiring of the first row.

Installation



Combining PCB terminal blocks with different pin spacing.

Marking



Optional: Labeling via factory direct marking.



Optional: Labeling with self-adhesive marking strips possible