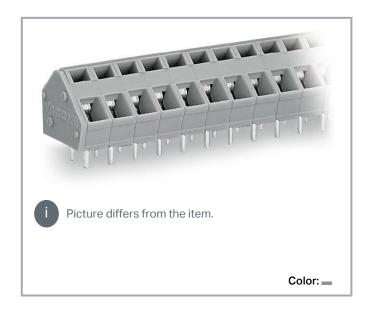
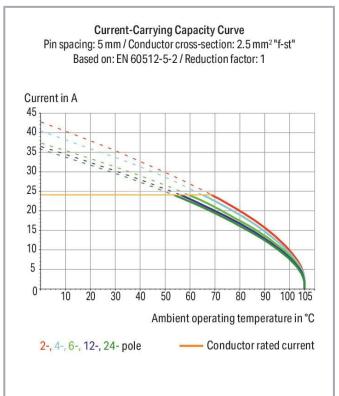
PCB terminal block; 2.5 mm²; Pin spacing 5/5.08 mm; 13-pole; CAGE

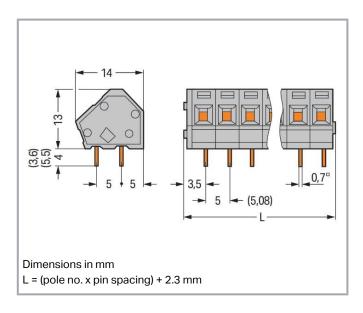
CLAMP®; commoning option; 2,50 mm²; gray

www.wago.com/236-413









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

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Item description

- PCB terminal strips with CAGE CLAMP® connection, screwdriver actuation parallel or perpendicular to conductor entry
- Versions with Ex approval
- Mixed-color PCB terminal strips from factory
- Operating tools for factory wiring
- 45° conductor entry angle permits a wide range of applications and wiring options
- Set to metric or inch pin spacing by compressing PCB terminal strips or pulling them apart

Data 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

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	250 V
Rated impulse voltage (III/3)	4 kV
Rated voltage (III/2)	320 V
Rated impulse voltage (III/2)	4 kV
Nominal voltage (II/2)	630 V
Rated surge voltage (II/2)	4 kV
Rated current	24 A
Legend (ratings)	(III / 2) ≙ Overvoltage category III / Pollution degree 2

Ratings per UL

Approvals per	UL 1059
Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	15 A

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

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Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	10 A

Ratings per CSA

Approvals per	CSA
Rated voltage CSA (Use Group B)	300 V
Rated current CSA (Use Group B)	15 A
Rated voltage CSA (Use Group D)	300 V
Rated current CSA (Use Group D)	10 A

Connection data

Connection points	13
Total number of potentials	13
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 mm² / 28 12 AWG
Fine-stranded conductor	0.08 2.5 mm² / 28 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 1.5 mm²
Fine-stranded conductor; with uninsulated ferrule	0.25 1.5 mm²
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	13

Physical data

Pin spacing	5/5.08 mm / 0.197/0.2 inches
Width	67.3 mm / 2.65 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

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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	gray
Material group	1
Insulation material	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	0.173 MJ
Weight	11.5 g

Environmental requirements

Limit temperature range	-60 +105 °C	
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Commercial data

Product Group	4 (Printed Circuit Connectors)
ETIM 8.0	EC002643
ETIM 7.0	EC002643
ECCN	NO DATA
PU (SPU)	60 (15) pcs
Packaging type	box
Country of origin	СН
GTIN	4044918770798
Customs tariff number	85369010000

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Cortificato

Cartificate

Environmental Product Compliance

RoHS Compliance Status Compliant, No Exemption

Approvals / Certificates

General approvals

			Certificate
Logo	Approval	Additional Approval Text	name
	CSA	C22.2 No. 158	1673957
	DEKRA Certification B.V.		

Approvals for marine applications

			Certificate
Logo	Approval	Additional Approval Text	name
	BV Bureau Veritas S.A.	IEC 60998	11915/D0 BV

Optional accessories

Stickers with operating instructions

Stickers with operating instructions

Sticker	s with opera	iting instructions	
200		010.101	

Item no.: 210-191
Stickers for operating instructions; for PCB terminal blocks; 236 Series
www.wago.com/210-191

Downloads

VERITAS

Documentation

Additional Information

Technical Section	2019 Apr 3	pdf	Download
Technical explanations		2.1 MB	
Gebrückte Klemmenleisten für Leiterplatten		pdf	Download
		187.6 kB	

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CAD/CAE-Data

PCB Design

Symbol and Footprint via SamacSys 236-413

URL Download

CAx data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.

Supported formats:

- 3D (stp)
- Altium
- CADSTAR
- Capture
- CircuitStudio
- CR-5000
- CR-8000
- DEHDL
- DesignSpark PCB
- DesignSpark PCB PRO
- DipTrace
- EAGLE
- Easy-PC
- EasyEDA
- eCADSTAR
- KiCad
- OrCAD_Allegro16
- PADS
- Proteus
- Pulsonix
- Quadcept
- SOLIDWORKS PCB
- TARGET 3001!
- xDX Designer
- Xpedition

PCB Component Libraries (EDA), PCB CAD Library SamacSys Electronic Component Search Engine

Symbol and Footprint via Ultra Librarian 236-413 Subject to changes. Please also observe the further product documentation!

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CAx data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.

Supported formats:

- Accel EDA 14 & 15
- Altair
- Altium 6 to current version
- Autodesk Fusion 360
- Cadence Allegro
- DesignSpark
- Eagle Libraries
- KiCad
- Mentor Graphics
- BoardStation
- Mentor Graphics Design Architect
- Mentor Graphics Design
- Expedition 99 and 2000
- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000
- Zuken eCADSTAR 2020 and 2021Zuken CR-5000 and CR-8000

PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 236-413

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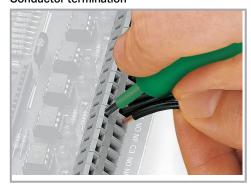


PCB terminal block; 2.5 mm²; Pin spacing 5/5.08 mm; 13-pole; CAGE CLAMP®;

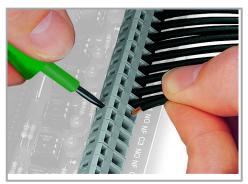
commoning option; 2,50 mm²; gray

Installation Notes

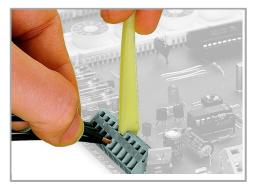
Conductor termination



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

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

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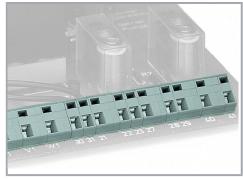
www.wago.com/236-413





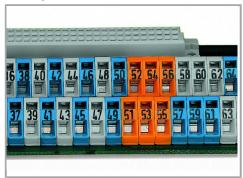
PCB Terminal Strips placed behind each other save space – staggering them by half the pin spacing simplifies subsequent wiring of the first row.

Installation

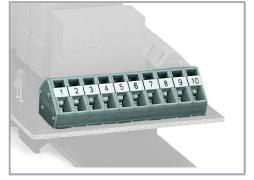


Combining PCB terminal blocks with different pin spacing.

Marking



Optional: Labeling via factory direct marking.



Optional: Labeling with self-adhesive marking strips possible

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

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