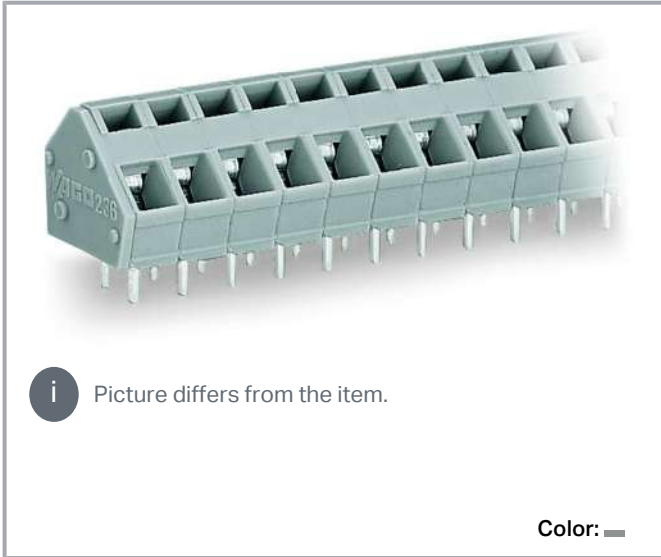


**Data sheet | Item number: 236-413**

PCB terminal block; 2.5 mm<sup>2</sup>; Pin spacing 5/5.08 mm; 13-pole; CAGE CLAMP®; commoning option; 2,50 mm<sup>2</sup>; gray

[www.wago.com/236-413](http://www.wago.com/236-413)



Subject to changes. Please also observe the further product documentation!

WAGO Corporation  
Germantown, WI 53022  
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222  
Email: [info.us@wago.com](mailto:info.us@wago.com) | Web: [www.wago.us](http://www.wago.us)

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## Item description

- PCB terminal strips with CAGE CLAMP<sup>®</sup> 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

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## 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 <a href="https://configurator.wago.com/">https://configurator.wago.com/</a>
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## Electrical data

### IEC Approvals

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	250 V
Rated surge voltage (III/3)	4 kV
Rated voltage (III/2)	320 V
Rated surge 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) $\hat{=}$ Overvoltage category III / Pollution degree 2

### UL Approvals

Approvals per	UL 1059
Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	15 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	10 A

### CSA Approvals

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

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## Connection data

Total number of 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 mm <sup>2</sup> / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 1.5 mm <sup>2</sup>
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 1.5 mm <sup>2</sup>
Note (conductor cross-section)	12 AWG: THHN, THWN
Strip length	5 ... 6 mm / 0.2 ... 0.24 inch
Conductor connection direction to PCB	45°
Number of poles	13

## Physical data

Pin spacing	5/5.08 mm / 0.197/0.2 inch
Width	67.3 mm / 2.65 inch
Height	17 mm / 0.669 inch
Height from the surface	13 mm / 0.512 inch
Depth	14 mm / 0.551 inch
Solder pin length	4 mm
Solder pin dimensions	0.7 x 0.7 mm
Drilled hole diameter with tolerance	1.1 <sup>(+0.1)</sup> 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

Color	gray
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Subject to changes. Please also observe the further product documentation!

Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Electrolytic copper (E <sub>Cu</sub> )
Contact plating	Tin-plated
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)
PU (SPU)	60 (15) Stück
Packaging type	box
Country of origin	CH
GTIN	4044918770798
Customs tariff number	85369010000

### Approvals / Certificates

#### Ship Approvals

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

### Downloads

#### Documentation

#### Additional Information

Technical explanations	2019 Apr 3	pdf 2.0 MB	Download
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### Environmental Product Compliance

Subject to changes. Please also observe the further product documentation!

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### Compliance Search

Environmental Product Compliance 236-413

URL

Download

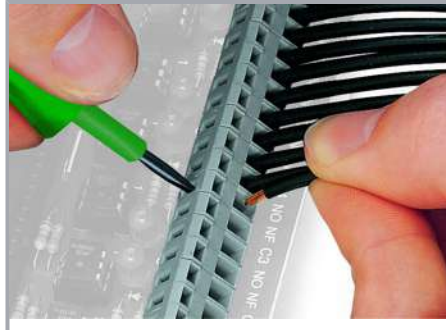
PCB terminal block; 2,5 mm<sup>2</sup>; Pin spacing 5/5.08 mm; 13-pole; CAGE CLAMP®; commoning option; 2,50 mm<sup>2</sup>; gray

### Installation Notes

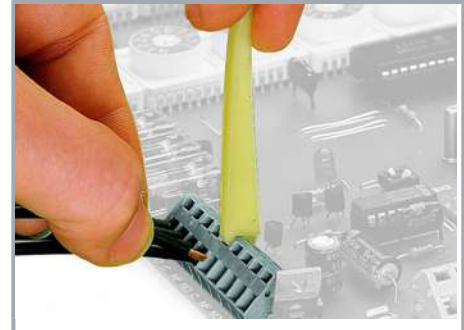
#### Conductor termination



Inserting a conductor via 3.5 mm screwdriver.



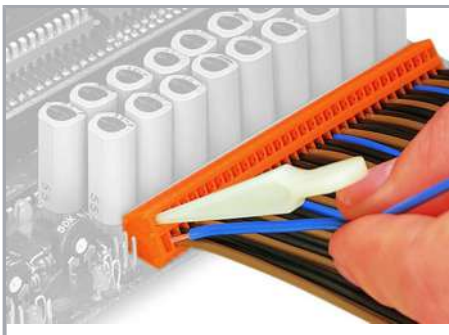
Inserting a conductor via 3.5 mm screwdriver.



Inserting a conductor via operating tool.

Screwdriver actuation parallel to conductor entry

Screwdriver actuation perpendicular to conductor entry



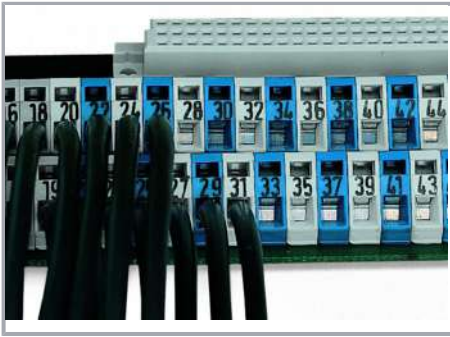
Compared to standard screwdrivers, these operating tools are far more convenient for wiring PCB terminal strips at factory.

#### Installation

Subject to changes. Please also observe the further product documentation!

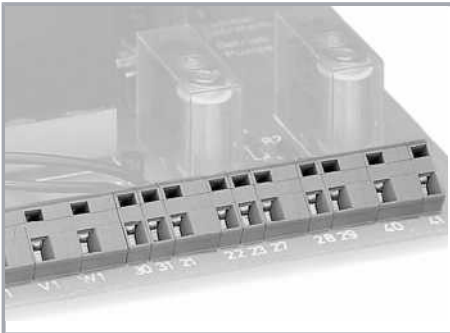
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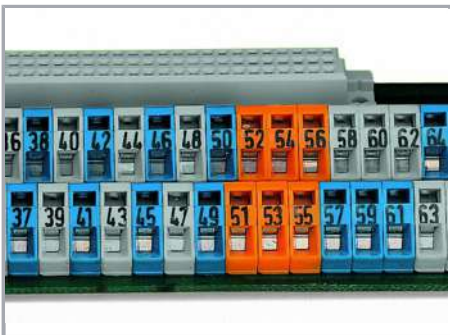
PCB Terminal Strips placed behind each other save space – staggering them by half the pin spacing simplifies subsequent wiring of the first row.

### Installation

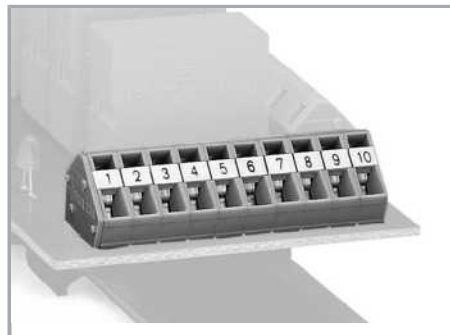


Combining PCB terminal blocks with different pin spacing.

### Marking



Labeling via factory direct marking.



Optional: Labeling with self-adhesive marking strips possible

Subject to changes. Please also observe the further product documentation!