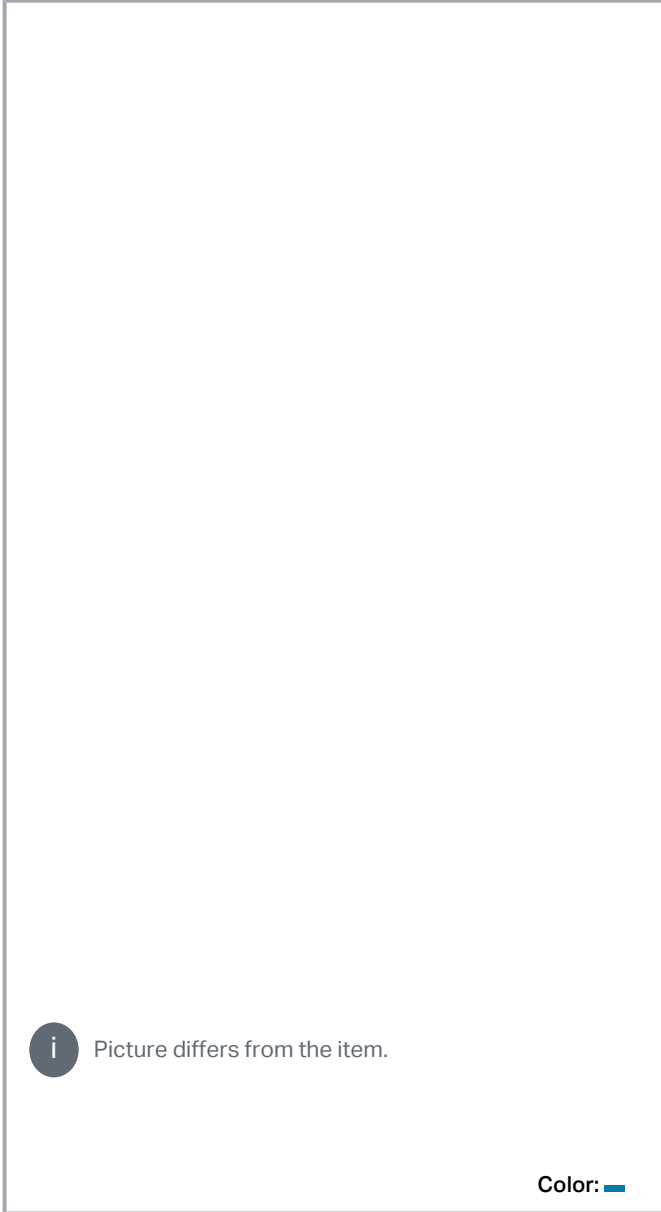


**Data sheet | Item number: 235-502/000-006**

PCB terminal block; 2.5 mm<sup>2</sup>; Pin spacing 7.5/7.62 mm; 2-pole; suitable for Ex-i applications; PUSH WIRE®; 2,50 mm<sup>2</sup>; blue



[www.wago.com/235-502\\_000-006](http://www.wago.com/235-502_000-006)



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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Dimensions in mm

$L = (\text{pole no.} \times \text{pin spacing}) + 1.5 \text{ mm}$

## Item description

- Low-profile terminal strips with screwdriver-actuated PUSH WIRE<sup>®</sup> termination
- Push-in termination of solid conductors
- Double solder pins for high mechanical stability
- Set to metric or inch pin spacing by compressing PCB terminal strips or pulling them apart

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

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## Data

### Notes

Variants:

Other pole numbers

Other colors

Terminal strips with 7.5/7.62 mm and 10/10.16 mm pin spacing

Mixed-color PCB connector strips

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

### IEC Approvals

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	400 V
Rated surge voltage (III/3)	6 kV
Rated voltage (III/2)	630 V
Rated surge voltage (III/2)	6 kV
Nominal voltage (II/2)	1000 V
Rated surge voltage (II/2)	6 kV
Rated current	24 A
Legend (ratings)	(III / 2) $\triangleq$ 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)	10 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	10 A

### CSA Approvals

Rated voltage CSA (Use Group B)	300 V
Rated current CSA (Use Group B)	15 A

## Connection data

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## Connection 1

Connection technology	PUSH WIRE®
Actuation type	Operating tool
Solid conductor	0.5 ... 2.5 mm <sup>2</sup> / 20 ... 14 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>
Strip length	9 ... 10 mm / 0.35 ... 0.39 inch
Conductor connection direction to PCB	0°
Number of poles	2

## Physical data

Pin spacing	7.5/7.62 mm / 0.295/0.3 inch
Width	16.5 mm / 0.65 inch
Height	12.8 mm / 0.504 inch
Height from the surface	9.2 mm / 0.362 inch
Depth	12.5 mm / 0.492 inch
Solder pin length	3.6 mm
Solder pin dimensions	0.8 x 0.4 mm
Drilled hole diameter with tolerance	1 (+0.1) mm

## PCB contact

Solder pin arrangement	over the entire terminal strip (in-line)
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## Material data

Color	blue
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E <sub>Cu</sub> )
Fire load	0.034 MJ
Weight	1.8 g

## Environmental requirements

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

PU (SPU)	280 (70) Stück
Packaging type	box
Country of origin	CH
Customs tariff number	85369010000

## Approvals / Certificates

### UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Germany GmbH	-	E45172

## Downloads

### Documentation

#### Additional Information

Technical explanations	2019 Apr 3	pdf 2.0 MB	Download
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## Installation Notes

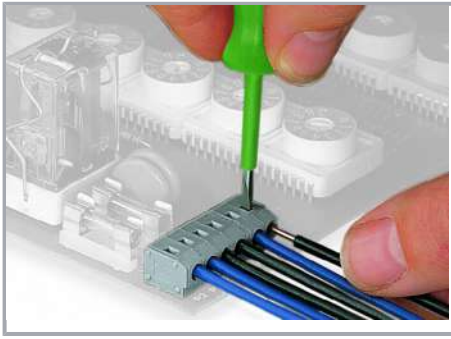
### Conductor termination



Inserting a solid conductor via push-in termination.

### Conductor removal

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



Removing a conductor via screwdriver (2.5 mm blade width).

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

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