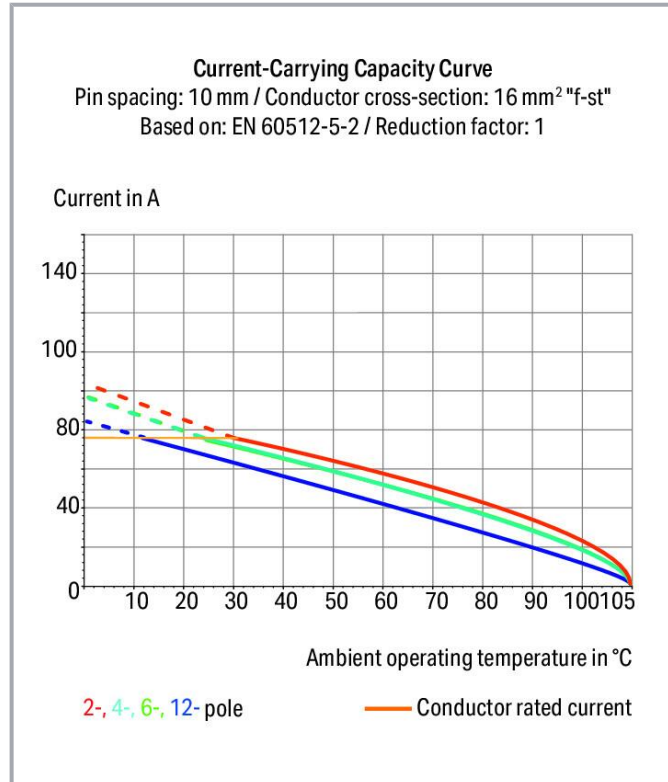
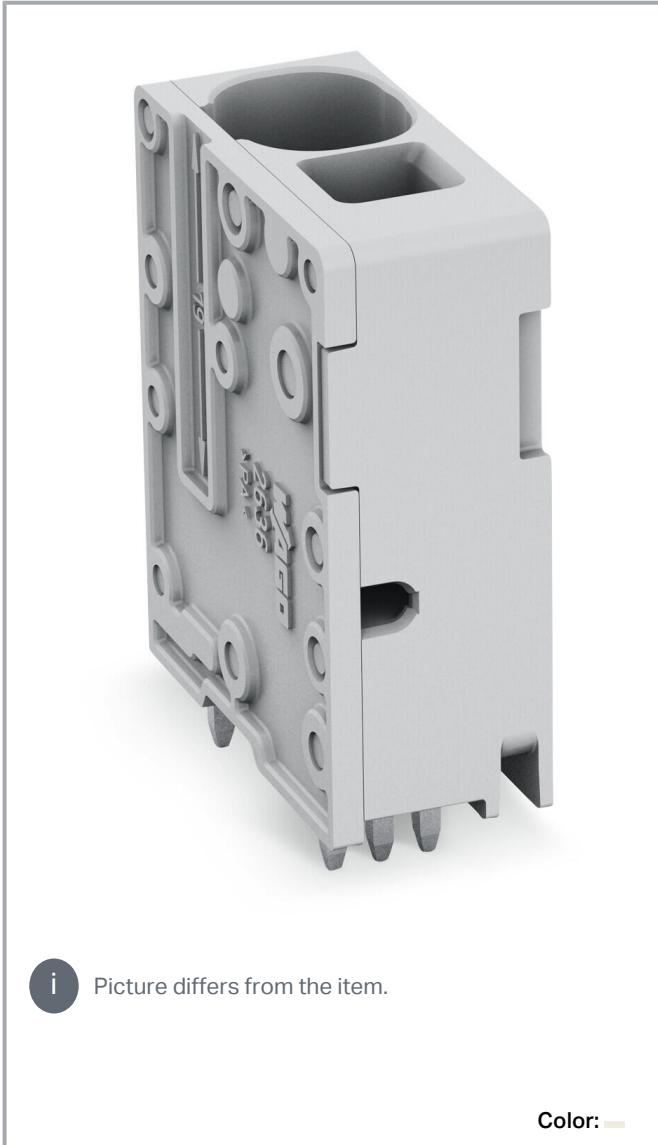


Data sheet | Item number: 2636-3101/000-050

PCB terminal block; 16 mm²; Pin spacing 10 mm; 1-pole; Push-in CAGE

CLAMP®; 16,00 mm²; white

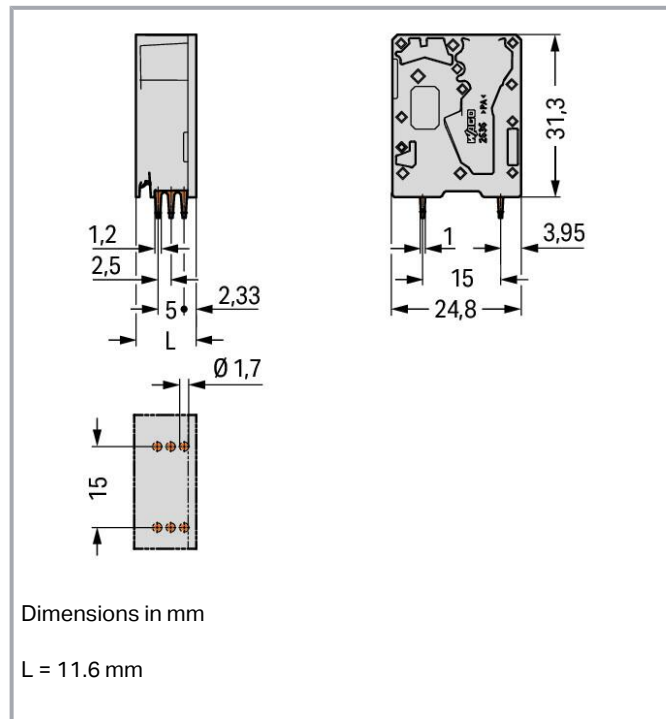
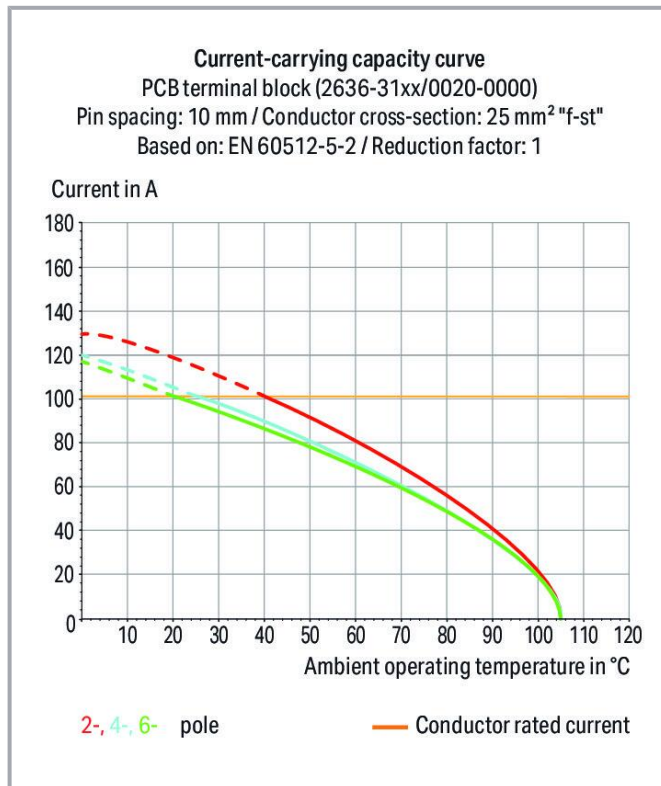
www.wago.com/2636-3101/000-050



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

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Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Item description

- PCB terminal strips with Push-in CAGE CLAMP® connection
- Push-in termination of solid and ferruled conductors
- Ideal for panel feedthrough applications via operation parallel to conductor entry
- Testing can be performed both parallel and perpendicular to conductor entry

Data

Notes

Note	The inherent stability of a single-pole PCB terminal block is less than that of a multi-pole terminal strip. The customer must therefore ensure that these terminal blocks are protected against excessive mechanical stress (e.g., torsional or bending stress), both when connecting the conductor and during subsequent use, for example by providing additional support, shortly holding the connected conductor and appropriate actuation instructions.
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Variants:	Other pole numbers Direct marking Other colors
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Subject to changes. Please also observe the further product documentation!

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)	1000 V
Rated impulse voltage (III/3)	8 kV
Rated voltage (III/2)	1000 V
Rated impulse voltage (III/2)	8 kV
Nominal voltage (II/2)	1000 V
Rated surge voltage (II/2)	8 kV
Rated current	76 A
Legend (ratings)	(III / 2) $\hat{=}$ Overvoltage category III / Pollution degree 2

Ratings per UL 1059

Approvals per	UL 1059
Rated voltage UL (Use Group B)	600 V
Rated current UL (Use Group B)	66 A
Rated voltage UL (Use Group C)	600 V
Rated current UL (Use Group C)	66 A

Ratings per CSA

Approvals per	CSA
Rated voltage CSA (Use Group B)	600 V
Rated current CSA (Use Group B)	66 A
Rated voltage CSA (Use Group C)	1000 V
Rated current CSA (Use Group C)	66 A

Connection data

Connection points	1
Total number of potentials	1
Number of connection types	1
Number of levels	1

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



Connection 1

Connection technology	Push-in CAGE CLAMP®
Actuation type	Operating tool
Solid conductor	0.75 ... 16 mm ² / 18 ... 4 AWG
Fine-stranded conductor	0.75 ... 25 mm ² / 18 ... 4 AWG
Fine-stranded conductor; with insulated ferrule	0.75 ... 16 mm ²
Fine-stranded conductor; with uninsulated ferrule	0.75 ... 16 mm ²
Fine-stranded conductor; with twin ferrule	0.75 ... 6 mm ²
Strip length	18 ... 20 mm / 0.71 ... 0.79 inches
Conductor connection direction to PCB	90 °
Pole number	1

Physical data

Pin spacing	10 mm / 0.394 inches
Width	11.6 mm / 0.457 inches
Height	35.3 mm / 1.39 inches
Height from the surface	31.3 mm / 1.232 inches
Depth	24.8 mm / 0.976 inches
Solder pin length	4 mm
Solder pin dimensions	1.2 x 1 mm
Drilled hole diameter with tolerance	1.7 ^(+0.1) mm

Mechanical Data

Mounting type	Feed-through mounting
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PCB contact

PCB contact	THT
Solder pin arrangement	Over the entire terminal strip (in-line)
Number of solder pins per potential	6

Material Data

Note (material data)	Information on material specifications can be found here
Color	white

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 _{Cu})
Contact plating	Tin
Fire load	0.132 MJ
Weight	9.3 g

Environmental requirements

Limit temperature range	-60 ... +105 °C
Processing temperature	-35 ... +60 °C
Continuous operating temperature	-60 ... +105 °C



Commercial data

eCl@ss 10.0	27-44-04-01
eCl@ss 9.0	27-44-04-01
ETIM 8.0	EC002643
ETIM 7.0	EC002643
PU (SPU)	100 pcs
Packaging type	box
Country of origin	PL
GTIN	4055143788007
Customs tariff number	85369010000


Environmental Product Compliance


RoHS Compliance Status	Compliant, No Exemption
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Optional accessories


Ferrule	
	<p>Item no.: 216-210 Ferrule; Sleeve for 16 mm² / AWG 6; insulated; electro-tin plated; electrolytic copper; gastight crimped; www.wago.com/216-210 acc. to DIN 46228, Part 4/09.90; blue</p>
	<p>Item no.: 216-284 Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black</p>
	<p>Item no.: 216-286</p>

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

 Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue www.wago.com/216-286


 **Item no.: 216-287**
 Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray www.wago.com/216-287

 **Item no.: 216-288**
 Ferrule; Sleeve for 6 mm² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow www.wago.com/216-288

 **Item no.: 216-289**
 Ferrule; Sleeve for 10 mm² / AWG 8; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red www.wago.com/216-289

Tool

Operating tool

 **Item no.: 210-721**
 Operating tool; Blade: 5.5 x 0.8 mm; with a partially insulated shaft; multicoloured www.wago.com/210-721

Downloads

Documentation

Additional Information

Technical Section	2019 Apr 3	pdf	Download
Technical explanations		2.0 MB	

CAD/CAE-Data

PCB Design

Symbol and Footprint 2636-3101/000-050 [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:

- Accel EDA 14 & 15
- Altium 6 to current version
- Cadence Allegro
- DesignSpark
- Eagle Libraries
- KiCad
- Mentor Graphics BoardStation

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



- 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

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

CAE data

ZUKEN Portal 2636-3101/000-050	URL	Download
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CAD data

2D/3D Models 2636-3101/000-050	URL	Download
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Environmental Product Compliance

Compliance Search

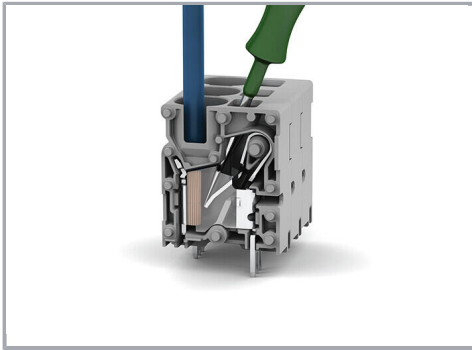
Environmental Product Compliance 2636-3101/000-050	URL	Download
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PCB terminal block; 16 mm²; Pin spacing 10 mm; 1-pole; Push-in CAGE CLAMP®; 16,00 mm²; white

Installation Notes

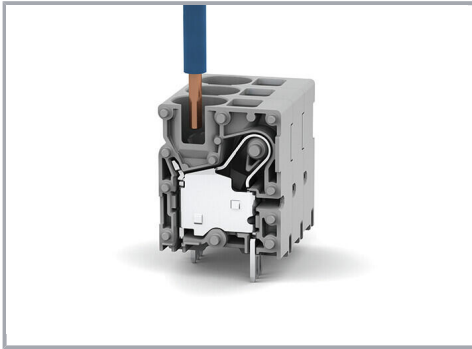
Conductor termination

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



Insert fine-stranded conductors and remove all conductor types via operating tool.

Conductor termination



Insert solid conductors via push-in termination.

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