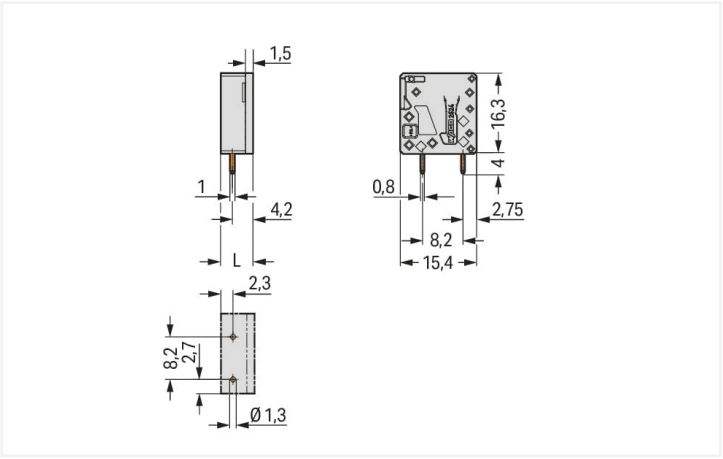
Data Sheet | Item Number: 2624-3101/000-006

PCB terminal block; 4 mm²; Pin spacing 5 mm; 1-pole; Push-in CAGE CLAMP®; 4,00 mm²; blue

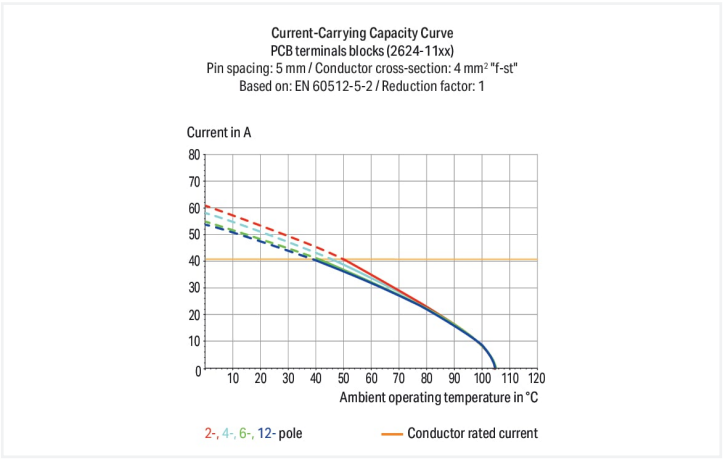
https://www.wago.com/2624-3101/000-006

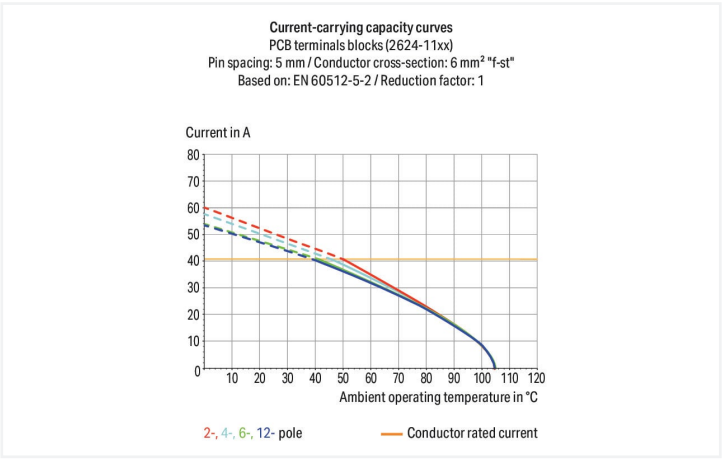
Color: blue

Similar to illustration



Dimensions in mm
L = 6.5 mm





PCB terminal block, 2624 Series, Push-in CAGE CLAMP®

This PCB terminal block (item number 2624-3101/000-006) is designed to connect conductors quickly and easily. You can count on proven safety with these PCB terminal blocks, perfect for a wide variety of applications when designing your devices. Rated current and voltage are important parameters when choosing a PCB terminal block, as they determine the product's suitability for different applications. This product has a rated voltage of 400 V and a rated current of 41 A, making it suitable for high-load applications. Ensure that the strip lengths are between 10 mm and 12 mm when connecting conductors to this PCB terminal block. Featuring one conductor terminal along with Push-in CAGE CLAMP®, this connector is highly versatile. Our Push-in CAGE CLAMP® is a universal, maintenance-free connection solution for all conductor types, boasting a key feature: It allows direct insertion of both solid and fine-stranded conductors with ferrules without needing tools. No preparation is required; for example, crimping the conductor's ferrule is not necessary. The item's dimensions are 6.5 x 20.3 x 15.4 mm (width x height x depth). Depending on the type of conductor, this PCB terminal block is suitable for conductor cross sections ranging from 0.2 mm² to 6 mm². The clamping spring is made of chrome-nickel spring steel (CrNi), the contacts are made of electrolytic copper (ECu), and the blue housing is made of polyamide (PA66) for insulation. Tin is used for coating the contact surfaces. This PCB terminal block is operated with an operating tool. The PCB terminal block is designed for THT soldering. These PCB terminal blocks are mounted using feed-through mounts.. The conductor is designed to be inserted at an angle of 90°.. The solder pins are organized over the entire terminal strip (in-line) and are 0.8 x 1 mm and 4 mm in length. Each potential has two solder pins.

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.
Variants:	Other pole numbers Direct marking Other colors 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	320 V	400 V	630 V
Rated surge voltage	4 kV	4 kV	4 kV
Rated current	41 A	41 A	41 A

Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	26 A	-	10 A

Approvals per	CSA		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	26 A	-	5 A

Connection data

Clamping units	1
Number of connection types	1
Number of levels	1

Connection 1

Connection technology	Push-in CAGE CLAMP®
Actuation type	Operating tool
Solid conductor	0.2 … 6 mm² / 24 … 10 AWG
Fine-stranded conductor	0.2 … 6 mm² / 24 … 10 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm²
Fine-stranded conductor; with uninsulated ferrule	0.25 … 2.5 mm²
Fine-stranded conductor; with twin ferrule	0.25 … 1.5 mm²
Strip length	10 … 12 mm / 0.39 … 0.47 inches
Conductor connection direction to PCB	90 °

Physical data

Pin spacing	5 mm / 0.197 inches
Width	6.5 mm / 0.256 inches
Height	20.3 mm / 0.799 inches
Height from the surface	16.3 mm / 0.642 inches
Depth	15.4 mm / 0.606 inches
Solder pin length	4 mm
Solder pin dimensions	0.8 x 1 mm
Drilled hole diameter with tolerance	1.3 $^{(+0.1)}$ mm

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Mechanical data

Mounting type	Feed-through mounting

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	blue
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	0.037 MJ
Weight	1.9 g

Environmental requirements

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

Commercial data

ETIM 9.0	EC002643
ETIM 8.0	EC002643
PU (SPU)	300 pcs
Packaging type	Box
Country of origin	PL
GTIN	4055144094947
Customs tariff number	85369010000

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	IEC 60947-7-4	NL-61583

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
Railway WAGO GmbH & Co. KG	-	Z00004415.000

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Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance
2624-3101/000-006

Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB

CAD/CAE-Data

CAD data

2D/3D Models
2624-3101/000-006

CAE data

ZUKEN Portal
2624-3101/000-006

PCB Design

Symbol and Footprint via SamacSys
2624-3101/000-006

Symbol and Footprint via Ultra Librarian
2624-3101/000-006

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule

Item No.: 216-241
Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white

Item No.: 216-242
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray

Item No.: 216-262
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray

Item No.: 216-243
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red

Item No.: 216-263
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red

Item No.: 216-244
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

Item No.: 216-264
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

Item No.: 216-246
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

Item No.: 216-266
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

Item No.: 216-106
Ferrule; Sleeve for 2.5 mm² / AWG 14; uninsulated; electro-tin plated; silver-colored

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1.1.2 Tool

1.1.2.1 Operating tool

Item No.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

Installation Notes

Conductor termination

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

Conductor termination

Insert solid conductors via push-in termination.