Data Sheet | Item Number: 2616-3103

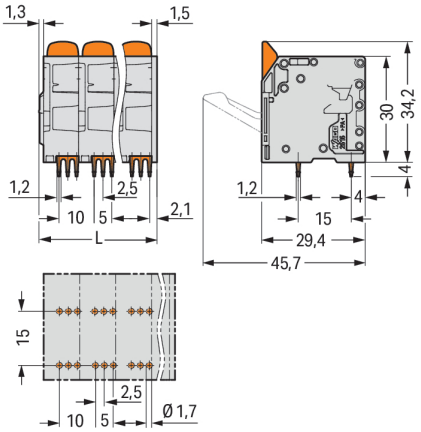
PCB terminal block; lever; 16 mm²; Pin spacing 10 mm; 3-pole; Push-in CAGE CLAMP®; gray

https://www.wago.com/2616-3103

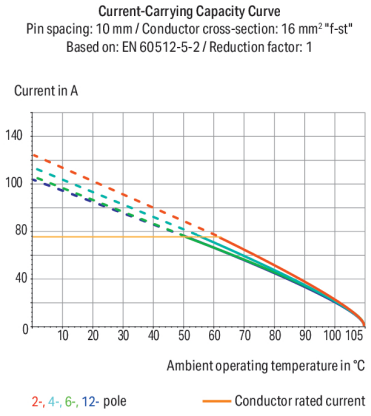


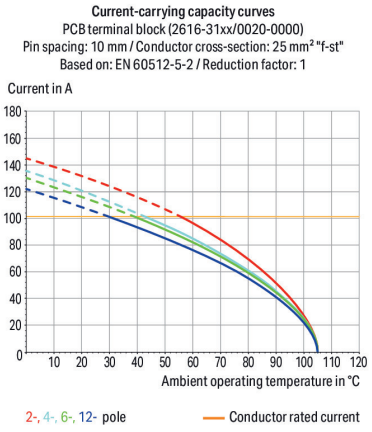
Color: gray

Similar to illustration



Dimensions in mm
L = (pole no. – 1) x pin spacing + 11.5 mm





PCB terminal block, 2616 Series, Push-in CAGE CLAMP®

Our PCB terminal block (item number 2616-3103) ensures effortless electrical installations. It is ideal for custom installations with different mounting types. Our PCB terminal block is rated for 320 V and is designed to handle a rated current of up to 76 A. As such, it is suitable for high-load applications. Strip lengths must be between 18 mm and 20 mm when connecting conductors to this PCB terminal block. Featuring one conductor terminal along with Push-in CAGE CLAMP®, this product outperforms the competition. Our Push-in CAGE CLAMP® is a universal, maintenance-free connection solution for all conductor types, offering a key advantage: both solid and fine-stranded conductors with ferrules can be directly inserted without the need for tools or any preparation, such as crimping the ferrule. Dimensions: 32.8 x 38.2 x 29.4 mm (width x height x depth). This PCB terminal block is suitable for conductor cross sections ranging from 0.75 mm² to 16 mm². Up to three potentials / three poles can be connected to this terminal strip using three clamping points on one level. The clamping spring is made of chrome-nickel spring steel (CrNi), the gray housing is made of polyamide (PA66) for insulation, and the contacts are made of electrolytic copper (ECu). The contact surface is coated with tin. A lever is used to operate this PCB terminal block. THT is used to solder the PCB terminal block. The conductor is designed to be inserted at an angle of 90°.. The solder pins, which are 1.2 x 1.2 mm in cross-section and 4 mm long, are laid out over the entire terminal strip (staggered). There are six solder pins per potential.

Notes

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	320 V	630 V
Rated impulse withstand voltage	4 kV	4 kV	4 kV
Rated current	76 A	76 A	76 A

Approvals per	CSA		
Use group	B	C	D
Rated voltage	300 V	150 V	300 V
Rated current	72 A	72 A	72 A

Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	300 V	150 V	300 V
Rated current	72 A	72 A	10 A

Connection data

Clamping units	3
Total number of potentials	3
Number of connection types	1
Number of levels	1

Connection 1

Connection technology	Push-in CAGE CLAMP®
Actuation type	Lever
Solid conductor	0.75 … 16 mm² / 18 … 4 AWG
Fine-stranded conductor	0.75 … 25 mm² / 18 … 4 AWG
Fine-stranded conductor; with insulated ferrule	0.75 … 16 mm²
Fine-stranded conductor; with uninsulated ferrule	0.75 … 16 mm²
Fine-stranded conductor; with twin ferrule	0.75 … 6 mm²
Strip length	18 … 20 mm / 0.71 … 0.79 inches
Conductor connection direction to PCB	90 °
Pole number	3

Physical data

Pin spacing	10 mm / 0.394 inches
Width	32.8 mm / 1.291 inches
Height	38.2 mm / 1.504 inches
Height from the surface	34.2 mm / 1.346 inches
Depth	29.4 mm / 1.157 inches
Solder pin length	4 mm
Solder pin dimensions	1.2 x 1.2 mm
Drilled hole diameter with tolerance	1.7 $^{(+0.1)}$ mm

PCB contact

PCB contact	THT
Solder pin arrangement	over the entire terminal strip (staggered)
Number of solder pins per potential	6

Continued on next page

Material data

Note (material data)	Information on material specifications can be found here
Color	gray
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	0.461 MJ
Actuator color	orange
Weight	29.5 g

Environmental requirements

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

Commercial data

PU (SPU)	40 pcs
Packaging type	Box
Country of origin	PL
GTIN	4066966112559
Customs tariff number	85369010000

Product Classification

UNSPSC	39121409
ETIM 9.0	EC002643
ETIM 8.0	EC002643
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	EN 60947-7-4	NL-61617
CSA DEKRA Certification B.V.	C22.2	70154737
DEKRA DEKRA Certification B.V.	EN 60947-7-4	71-148282
KEMA/KEUR DEKRA Certification B.V.	EN 60947-7-4	71-110774
UL Underwriters Laboratories Inc.	C22.2 No. 158	UL-US-L45172-6187173-60217102-1

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
Railway WAGO GmbH & Co. KG	-	Z00004414.000

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Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2616-3103

Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB

CAD/CAE-Data

PCB Design

Symbol and Footprint via SamacSys 2616-3103

Symbol and Footprint via Ultra Librarian 2616-3103

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule



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



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



Item No.: 216-210
Ferrule; Sleeve for 16 mm² / AWG 6; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue



Item No.: 216-286
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.: 216-287
Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



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

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1.1.2 Jumper

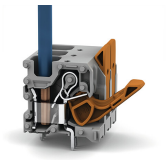
1.1.2.1 Jumper



Item No.: 2616-902
Jumper; for conductor entry; 2-way; insulated; gray

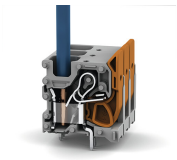
Installation Notes

Conductor termination



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

Conductor termination



Insert solid conductors via push-in termination.