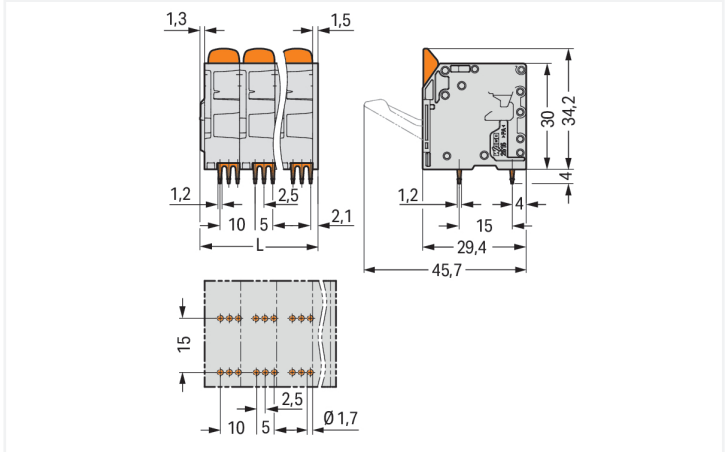


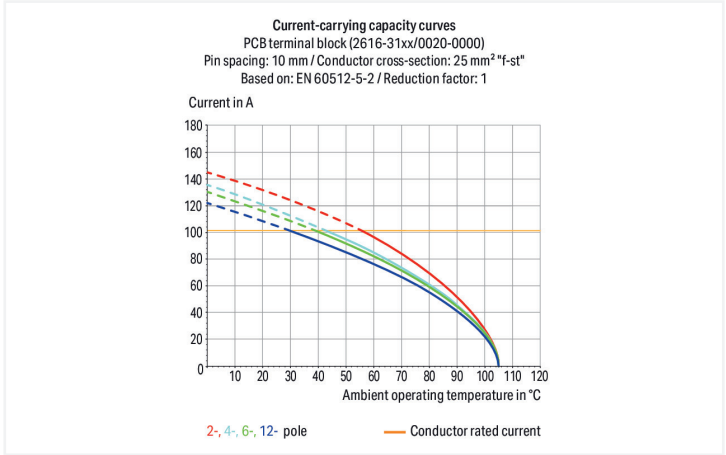
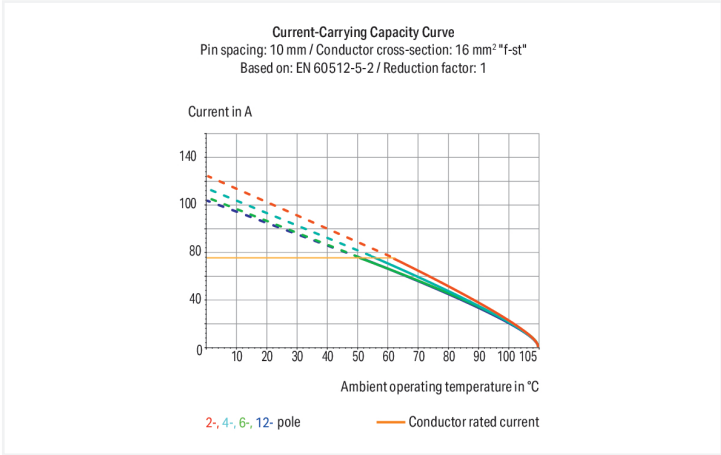


Color: ■ gray

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				Approvals per UL 1059			
Overvoltage category	III	III	II	Use group	B	C	D
Pollution degree	3	2	2	Rated voltage	300 V	150 V	300 V
Nominal voltage	320 V	320 V	630 V	Rated current	72 A	72 A	10 A
Rated surge 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

Connection data

Clamping units	3	Connection 1	
Total number of potentials	3	Connection technology	Push-in CAGE CLAMP®
Number of connection types	1	Actuation type	Lever
Number of levels	1	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








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		0.432 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			Declarations of conformity and manufacturer's declarations		
   					
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	EN 60947-7-4	NL-61617	Railway WAGO GmbH & Co. KG	-	Z00004414.000
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			

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2616-3103

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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

1.1.2 Jumper

1.1.2.1 Jumper

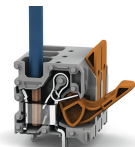


Item No.: 2616-902

Jumper; for conductor entry; 2-way; insulated; gray

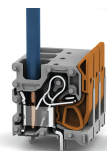
Installation Notes

Conductor termination



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

Conductor termination



Insert solid conductors via push-in termination.