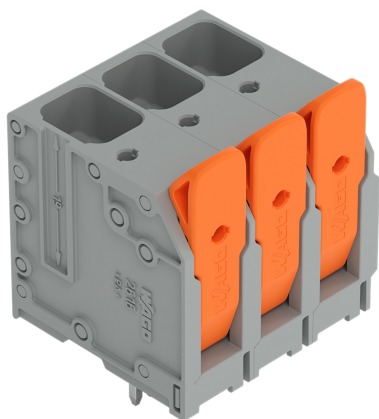


Data Sheet | Item Number: 2616-3103/020-000

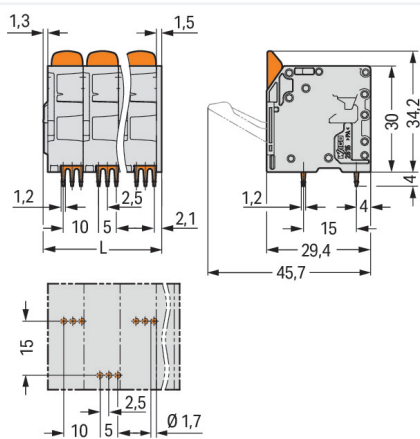
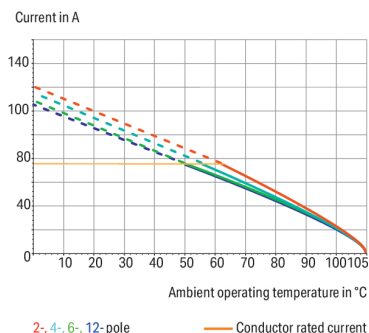
PCB terminal block; lever; 16 mm²; Pin spacing 10 mm; 3-pole; Push-in CAGE CLAMP®; gray

<https://www.wago.com/2616-3103/020-000>



Color: ■ gray

Current-Carrying Capacity Curve
Pin spacing: 10 mm / Conductor cross-section: 16 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1



Dimensions in mm

L = (pole no. - 1) x pin spacing + 11.5 mm

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

Connect conductors quickly and easily with this PCB terminal block (item number 2616-3103/020-000). It is a universal connector that can be used practically anywhere, e.g., as a pluggable PCB connector, panel feedthrough header, connector for rail-mount terminal blocks, or a floating connector for different mounting methods. Conductors can only be connected to this PCB terminal block if their strip length is between 18 and 20 mm. This product features one conductor terminal and utilizes Push-in CAGE CLAMP®. Push-in CAGE CLAMP® connection technology is ideal for connecting all conductor types. Both solid and fine-stranded conductors with ferrules can be inserted without needing to use any tools—all thanks to its pluggable design. The item's dimensions are (32.8 x 38.2 x 29.4) mm (width x height x depth). Depending on the type of conductor, this PCB terminal block is designed for conductor cross sections ranging from 0.75 mm² to 16 mm². The contact surface is coated with tin. A lever is used to operate this PCB terminal block. The PCB terminal block is designed for THT soldering. Insert the conductor at a 90° angle.



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	1000 V	1000 V	1000 V
Rated impulse withstand voltage	8 kV	8 kV	8 kV
Rated current	76 A	76 A	76 A
Approvals per		UL 1059	
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	66 A	66 A	-

Approvals per		CSA	
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	66 A	66 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	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		3

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		0.335 MJ
Actuator color		orange
Weight		28.1 g

Environmental requirements		
Limit temperature range		-60 ... +105 °C
Processing temperature		-35 ... +60 °C

Commercial data		
PU (SPU)		36 pcs
Packaging type		Box
Country of origin		PL
GTIN		4066966483994
Customs tariff number		85369010000

Product Classification		
UNSPSC		39121409
eCl@ss 10.0		27-44-04-01
eCl@ss 9.0		27-44-04-01
ETIM 9.0		EC002643
ETIM 10.0		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

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2616-3103/020-000	
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Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB	
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CAD/CAE-Data

CAD data

2D/3D Models 2616-3103/020-000	
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CAE data

ZUKEN Portal 2616-3103/020-000	
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PCB Design

Symbol and Footprint via SamacSys 2616-3103/020-000	
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Symbol and Footprint via Ultra Librarian 2616-3103/020-000	
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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

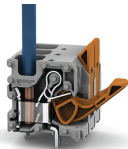
1.1.2.1 Jumper



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.