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

https://www.wago.com/2616-1103/020-000

Color: ■ gray

Dimensions in mm

L = (pole no. – 1) x pin spacing + 12.8 mm

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

Current-carrying capacity curve
PCB terminal block (2616-11xx/0020-0000)
Pin spacing: 10 mm / Conductor cross-section: 25 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1

PCB terminal block, 2616 Series, with 10 mm pin spacing

Connect conductors quickly and securely with this PCB terminal block (item number 2616-1103/020-000). It is a universal connector that can be used practically anywhere, for example, as a pluggable PCB connector, panel feedthrough header, connector for rail-mount terminal blocks, or a floating connector for different mounting methods. Our PCB terminal block is rated for 1000 V and is designed for use with a rated current of up to 76 A. It can therefore be used in high-load applications. Strip lengths must be between 18 mm and 20 mm when connecting conductors to this PCB terminal block. This product features one conductor terminal and utilizes Push-in CAGE CLAMP®. Push-in CAGE CLAMP® technology provides a universal connection solution for all conductor types. It allows both solid and fine-stranded conductors with ferrules to be inserted directly into the clamping point without the need for tools. The dimensions are 32.8 x 37.2 x 32 mm (width x height x depth). This PCB terminal block is suitable for conductor cross sections ranging from 0.75 mm² to 16 mm². It features one level and three clamping points that you can use to connect three potentials / 3 poles. The gray housing is made of polyamide (PA66) for insulation, the contacts are made of electrolytic copper (ECu), and the clamping spring is made of chrome-nickel spring steel (CrNi). 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 into the board at a 0° angle.. The solder pins measure 1.2 x 1.2 mm in cross-section and 4 mm in length and are organized over the entire terminal strip (staggered). There are three 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	1000 V	1000 V	1000 V
Rated surge 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	0 °
Pole number	3

Physical data

Pin spacing	10 mm / 0.394 inches
Width	32.8 mm / 1.291 inches
Height	37.2 mm / 1.465 inches
Height from the surface	33.2 mm / 1.307 inches
Depth	32 mm / 1.26 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	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	0.441 MJ
Actuator color	orange
Weight	28.4 g

Environmental requirements

Limit temperature range	-60 … +105 ℃
Processing temperature	-35 … +60 ℃

Commercial data

PU (SPU)	40 pcs
Packaging type	Box
Country of origin	PL
GTIN	4055143692779
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 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

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Downloads

Environmental Product Compliance

Compliance Search

Environmental Product
Compliance
2616-1103/020-000   ↓

Documentation

Additional Information

| Technical Section | 03.04.2019 | pdf 2027.26 KB | ↓ |

CAD/CAE-Data

CAD data

2D/3D Models
2616-1103/020-000   ↓

CAE data

ZUKEN Portal
2616-1103/020-000   ↓

PCB Design

Symbol and Footprint
via SamacSys
2616-1103/020-000   ↓

Symbol and Footprint
via Ultra Librarian
2616-1103/020-000   ↓

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

WAGO
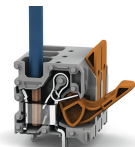
1.1.2 Jumper

1.1.2.1 Jumper

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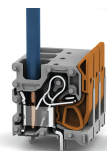Jumper; for conductor entry; 2-way; insulated; gray

Installation Notes

Conductor termination

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

Conductor termination

Insert solid conductors via push-in termination.

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

Current addresses can be found at:: www.wago.com