

# Data Sheet | Item Number: 2616-1102/020-000

PCB terminal block; lever; 16 mm<sup>2</sup>; Pin spacing 10 mm; 2-pole; Push-in CAGE CLAMP

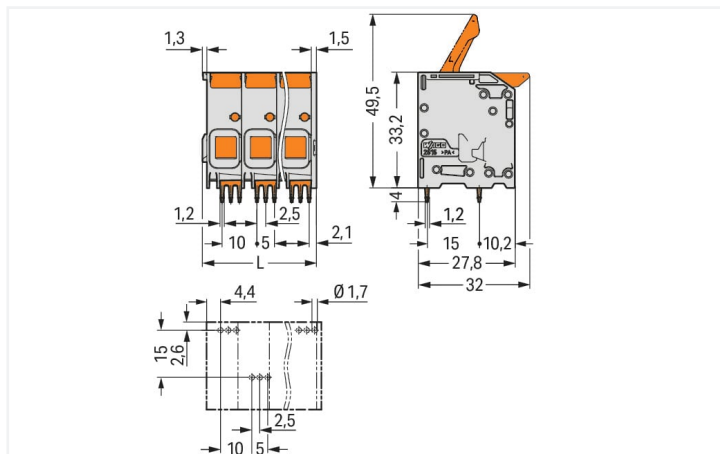
CLAMP®; 16,00 mm<sup>2</sup>; gray

<https://www.wago.com/2616-1102/020-000>



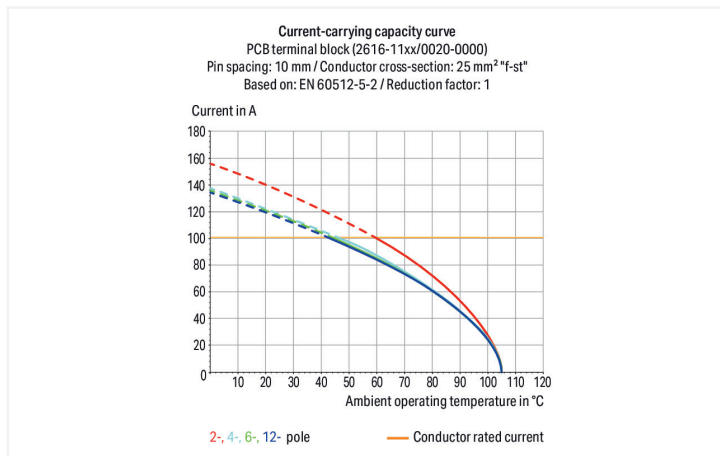
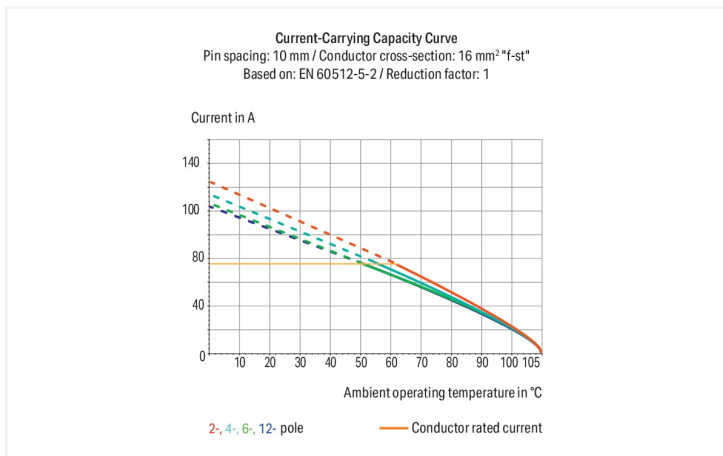
Color: ■ gray

Similar to illustration



Dimensions in mm

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



- PCB terminal blocks with Push-in CAGE CLAMP® connection and levers
- Push-in termination of solid and ferruled conductors
- Intuitive and tool-free operation
- Several clamping units can be held open simultaneously, simplifying the connection of multi-core cables
- Testing can be performed both parallel and perpendicular to conductor entry

## 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

Rated per	IEC/EN 60664-1		
Oversoltage 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		
	B	C	D
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	66 A	66 A	-

## Connection data

Clamping units	2	<b>Connection 1</b>	
Total number of potentials	2	Connection technology	Push-in CAGE CLAMP®
Number of connection types	1	Actuation type	Lever
Number of levels	1	Solid conductor	0.75 ... 16 mm <sup>2</sup> / 18 ... 4 AWG
		Fine-stranded conductor	0.75 ... 25 mm <sup>2</sup> / 18 ... 4 AWG
		Fine-stranded conductor; with insulated ferrule	0.75 ... 16 mm <sup>2</sup>
		Fine-stranded conductor; with uninsulated ferrule	0.75 ... 16 mm <sup>2</sup>
		Fine-stranded conductor; with twin ferrule	0.75 ... 6 mm <sup>2</sup>
		Strip length	18 ... 20 mm / 0.71 ... 0.79 inches
		Conductor connection direction to PCB	0°
		Pole number	2

## Physical data

Pin spacing	10 mm / 0.394 inches
Width	22.8 mm / 0.898 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 <sup>(±0.1)</sup> 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)	<a href="#">Information on material specifications can be found here</a>
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 <sub>cu</sub> )
Contact Plating	Tin
Fire load	0.294 MJ
Actuator color	orange
Weight	19.3 g

**Environmental requirements**

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

**Commercial data**

eCl@ss 10.0	27-44-04-01
eCl@ss 9.0	27-44-04-01
ETIM 9.0	EC002643
ETIM 8.0	EC002643
PU (SPU)	54 pcs
Packaging type	Box
Country of origin	PL
GTIN	4066966475432
Customs tariff number	85369010000

**Environmental Product Compliance**

RoHS Compliance Status	Compliant, No Exemption
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**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
cURus Underwriters Laboratories Inc.	C22.2 No. 158	E45172
KEMA/KEUR DEKRA Certification B.V.	EN 60947-7-4	71-110774

**Downloads**

**Environmental Product Compliance**

<b>Compliance Search</b>	
Environmental Product Compliance 2616-1102/020-000	<a href="#">↓</a>

## Documentation

### Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB	
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## CAD/CAE-Data

CAD data	CAE data
2D/3D Models 2616-1102/020-000	ZUKEN Portal 2616-1102/020-000

## PCB Design

Symbol and Footprint via SamacSys 2616-1102/020-000
Symbol and Footprint via Ultra Librarian 2616-1102/020-000

## 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 mm<sup>2</sup> / 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 mm<sup>2</sup> / 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 mm<sup>2</sup> / 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 mm<sup>2</sup> / 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 mm<sup>2</sup> / 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 mm<sup>2</sup> / 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

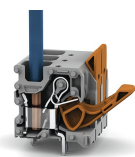


**Item No.: 2616-902**

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

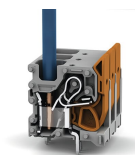
## Installation Notes

### Conductor termination



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

### Conductor termination



Insert solid conductors via push-in termination.