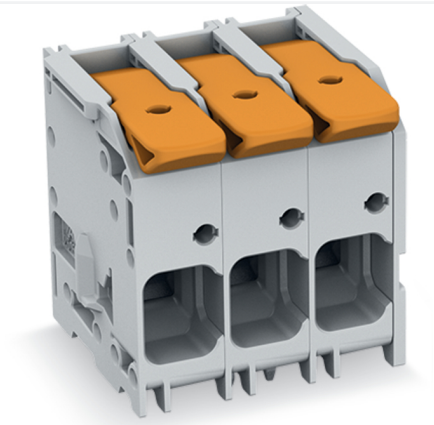
Data Sheet | Item Number: 2616-1106/010-000

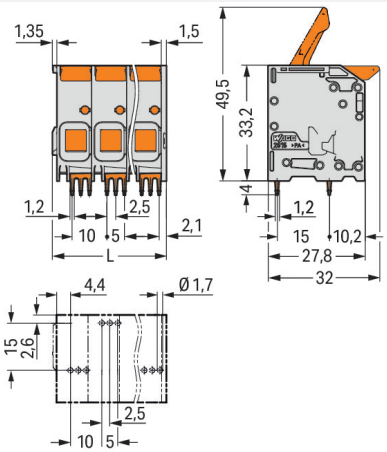
PCB terminal block; lever; 16 mm²; Pin spacing 10 mm; 6-pole; Push-in CAGE CLAMP®; gray

https://www.wago.com/2616-1106/010-000



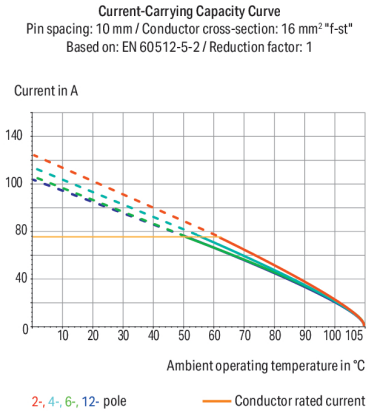
Color: gray

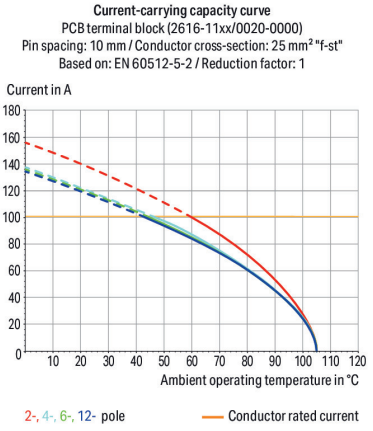
Similar to illustration



Dimensions in mm

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





PCB terminal block, 2616 Series, 0 °conductor entry to board

Quick and easy connections are guaranteed with this PCB terminal block (item number 2616-1106/010-000). You can rely on trusted safety with these PCB terminal blocks, perfect for a host of applications when designing your devices. This PCB terminal block has a rated voltage of 1000 V and can handle currents up to 76 A, making it 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 connector outperforms the competition. Our Push-in CAGE CLAMP® is a universal, maintenance-free connection solution for all conductor types, featuring a winning design: 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: 62.8 x 37.2 x 32 mm (width x height x depth). Depending on the conductor type, this PCB terminal block is ideal for conductor cross sections ranging from 0.75 mm² to 16 mm². It has one level. You can connect six potentials / six poles using the six clamping points. The clamping spring is made of chrome-nickel spring steel (CrNi), the contacts are made of electrolytic copper (ECu), and the gray housing is made of polyamide (PA66) for insulation. Tin is used for coating the contact surfaces. A lever is used to operate this PCB terminal block. THT is used to solder the PCB terminal block. Insert the conductor at a 0° angle.. The solder pins are organized over the entire terminal strip (staggered) and are 1.2 x 1.2 mm cross-section and 4 mm in length. Each potential has three solder pins.

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	6
Total number of potentials	6
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	6

Physical data

Pin spacing	10 mm / 0.394 inches
Width	62.8 mm / 2.472 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

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	0.911 MJ
Actuator color	orange
Weight	56 g

Environmental requirements

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

Commercial data

PU (SPU)	20 pcs
Packaging type	Box
Country of origin	DE
GTIN	4055143953153
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

DEKRA

Approval	Standard	Certificate Name
DEKRA DEKRA Certification B.V.	EN 60947-7-4	71-148282

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance
2616-1106/010-000

Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB

CAD/CAE-Data

CAD data

2D/3D Models
2616-1106/010-000

PCB Design

Symbol and Footprint
via SamacSys
2616-1106/010-000

Symbol and Footprint
via Ultra Librarian
2616-1106/010-000

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

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1.1.2 Jumper

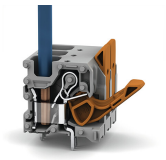
1.1.2.1 Jumper



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

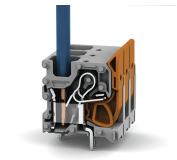
Installation Notes

Conductor termination



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

Conductor termination



Insert solid conductors via push-in termination.