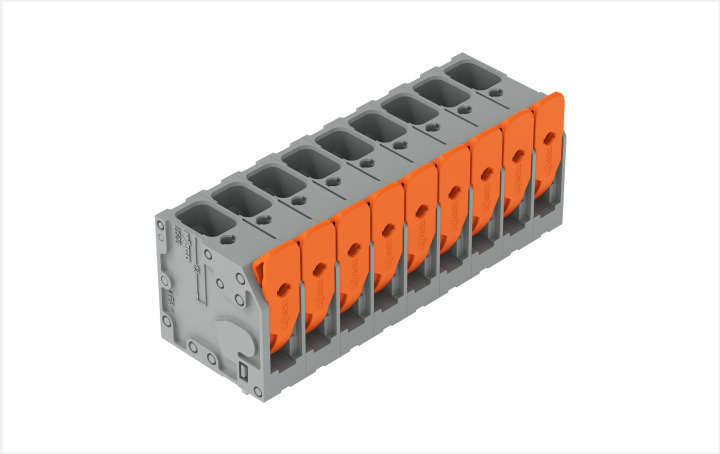
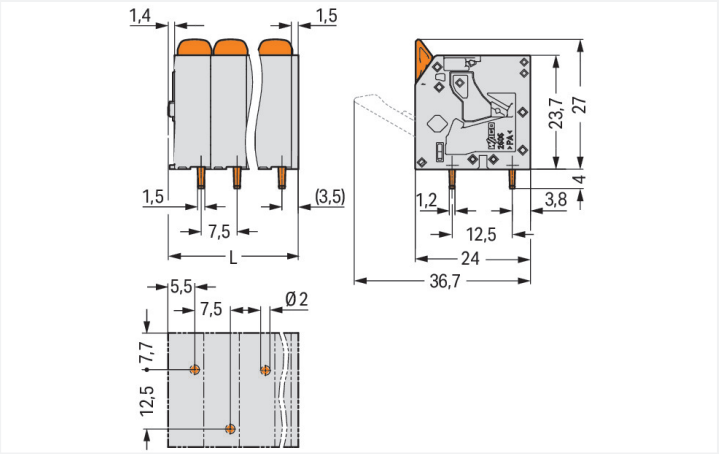
Data Sheet | Item Number: 2606-3109/020-000

PCB terminal block; lever; 6 mm²; Pin spacing 7.5 mm; 9-pole; Push-in CAGE CLAMP®; gray

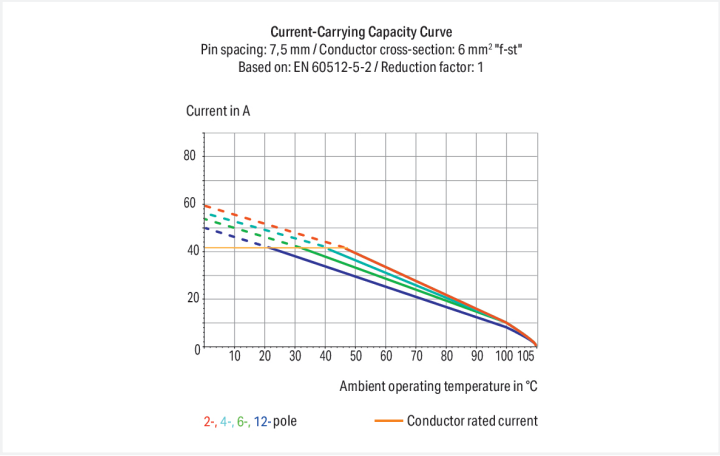
https://www.wago.com/2606-3109/020-000



Color: gray



Dimensions in mm
L = (pole no. – 1) x pin spacing + 10.35 mm



PCB terminal block, 2606 Series, solder pin dimensions 1.5 x 1.2 mm

Our PCB terminal block (item number 2606-3109/020-000) is designed for seamless electrical installations. 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. Rated current and voltage are important parameters when choosing a PCB terminal block, as they determine the product's suitability for different applications. This product has a rated voltage of 1000 V and a rated current of 41 A, making it suitable for high-load applications. Conductors can only be connected to this PCB terminal block if their strip length is between 11 mm and 13 mm. Featuring one conductor terminal along with Push-in CAGE CLAMP®, this connector is highly versatile. Our Push-in CAGE CLAMP® is a universal, maintenance-free connection solution for all conductor types, featuring a winning design: It allows direct insertion of both solid and fine-stranded conductors with ferrules without needing tools. No preparation is required; for example, crimping the conductor's ferrule is not necessary. The item's dimensions are 70.35 x 31 x 24 mm (width x height x depth). Depending on the type of conductor, this PCB terminal block is suitable for conductor cross sections ranging from 0.2 mm² to 10 mm². It comes with one level and nine clamping points for connecting nine potentials / 9 poles. The gray housing is made of polyamide (PA66) for insulation, the clamping spring is made of chrome-nickel spring steel (CrNi), and the contacts are made of electrolytic copper (ECu). Tin is used for coating the contact surfaces. This PCB terminal block is operated with a lever. The PCB terminal block is designed for THT soldering. Insert the conductor at a 90° angle.. The solder pins, which are 1.5 x 1.2 mm in cross-section and 4 mm long, are arranged over the entire terminal strip (staggered). There are one solder pin 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	800 V	1000 V	1000 V
Rated surge voltage	8 kV	8 kV	8 kV
Rated current	41 A	41 A	41 A

Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	31 A	31 A	-

Approvals per	CSA		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	31 A	31 A	-

Connection data

Clamping units	9
Total number of potentials	9
Number of connection types	1
Number of levels	1

Connection 1

Connection technology	Push-in CAGE CLAMP®
Actuation type	Lever
Solid conductor	0.2 … 10 mm² / 24 … 8 AWG
Fine-stranded conductor	0.2 … 10 mm² / 24 … 8 AWG
Fine-stranded conductor; with insulated ferrule	0.2 … 6 mm²
Fine-stranded conductor; with uninsulated ferrule	0.5 … 6 mm²
Fine-stranded conductor; with twin ferrule	0.25 … 2.5 mm²
Strip length	11 … 13 mm / 0.43 … 0.51 inches
Conductor connection direction to PCB	90 °
Pole number	9

Physical data

Pin spacing	7.5 mm / 0.295 inches
Width	70.35 mm / 2.77 inches
Height	31 mm / 1.22 inches
Height from the surface	27 mm / 1.063 inches
Depth	24 mm / 0.945 inches
Solder pin length	4 mm
Solder pin dimensions	1.5 x 1.2 mm
Drilled hole diameter with tolerance	2 $^{(+0.1)}$ mm

PCB contact

PCB contact	THT
Solder pin arrangement	over the entire terminal strip (staggered)
Number of solder pins per potential	1

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	0.315 MJ
Actuator color	orange
Weight	38 g

Environmental requirements

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

Commercial data

PU (SPU)	25 pcs
Packaging type	Box
Country of origin	PL
GTIN	4055143586696
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.	IEC 60947-7-4	NL-103311
CSA CSA Group	C22.2	70146882
UL Underwriters Laboratories Inc.	UL 1059	UL-US-L45172-6187172-92117102-1

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance
2606-3109/020-000

Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB

CAD/CAE-Data

CAD data

2D/3D Models
2606-3109/020-000

CAE data

ZUKEN Portal
2606-3109/020-000

PCB Design

Symbol and Footprint
via SamacSys
2606-3109/020-000

Symbol and Footprint
via Ultra Librarian
2606-3109/020-000

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule

Item No.: 216-263
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red

Item No.: 216-264
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.: 216-266
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

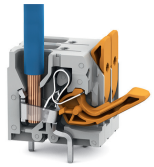
Item No.: 216-267
Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray

Item No.: 216-208
Ferrule; Sleeve for 6 mm² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow

Item No.: 216-108
Ferrule; Sleeve for 6 mm² / AWG 10; uninsulated; electro-tin plated; silver-colored

Installation Notes

Conductor termination



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

Conductor termination

Insert solid conductors via push-in termination.