

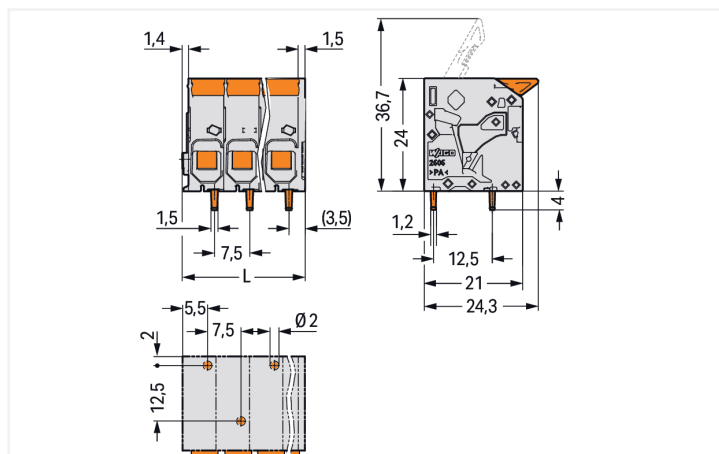
Data Sheet | Item Number: 2606-1109/020-000

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

<https://www.wago.com/2606-1109/020-000>



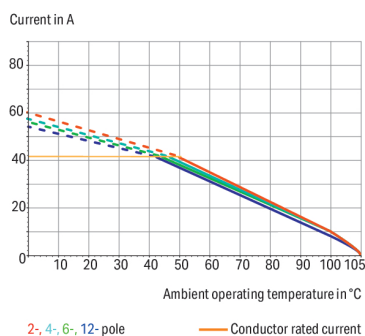
Color: ■ gray



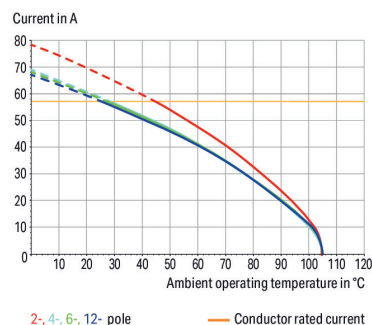
Dimensions in mm

$L = (\text{pole no.} - 1) \times \text{pin spacing} + 10.35 \text{ mm}$

Current-Carrying Capacity Curve
Pin spacing: 7.5 mm / Conductor cross-section: 6 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1



Current-carrying capacity curve
PCB terminal block (2606-11xx/0020-0000)
Pin spacing: 7.5 mm / Conductor cross-section: 10 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1



PCB terminal block, 2606 Series, 0° conductor entry to board

Easily, quickly and safely connect conductors with this PCB terminal block (item number 2606-1109/020-000). 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. Rated current and voltage are important parameters when choosing a PCB terminal block, as they indicate how the product can be used. This product has a rated voltage of 1000 V and a rated current of 41 A, making it suitable for high-load applications. Conductors should only be connected to this PCB terminal block if their strip length is between 11 mm and 13 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 plugged in without the need for tools—all thanks to its pluggable design. Dimensions: 70.35 x 28 x 24.3 mm (width x height x depth). Depending on the conductor type, 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 contacts are made of electrolytic copper (ECu), the gray housing is made of polyamide (PA66) for insulation, and the clamping spring is made of chrome-nickel spring steel (CrNi). Tin is used for coating the contact surfaces. A lever is used to operate this PCB terminal block. The PCB terminal block is designed for THT soldering. The conductor is designed to be inserted into the board at a 0° angle. The solder pins measure 1.5 x 1.2 mm in cross-section and 4 mm in length and 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	0 °
Pole number	9

Physical data	
Pin spacing	7.5 mm / 0.295 inches
Width	70.35 mm / 2.77 inches
Height	28 mm / 1.102 inches
Height from the surface	24 mm / 0.945 inches
Depth	24.3 mm / 0.957 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		0.577 MJ
Actuator color		orange
Weight		34.5 g

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

Commercial data		
PU (SPU)		18 pcs
Packaging type		Box
Country of origin		PL
GTIN		4066966395723
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 2606-1109/020-000	

Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	

CAD/CAE-Data

CAD data
2D/3D Models 2606-1109/020-000

CAE data
ZUKEN Portal 2606-1109/020-000

PCB Design
Symbol and Footprint via SamacSys 2606-1109/020-000
Symbol and Footprint via Ultra Librarian 2606-1109/020-000



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

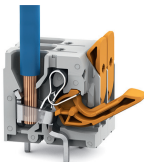


Item No.: 216-208
Ferrule; Sleeve for 6 mm² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow



Item No.: 216-108
Ferrule; Sleeve for 6 mm² / AWG 10; un-insulated; 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.