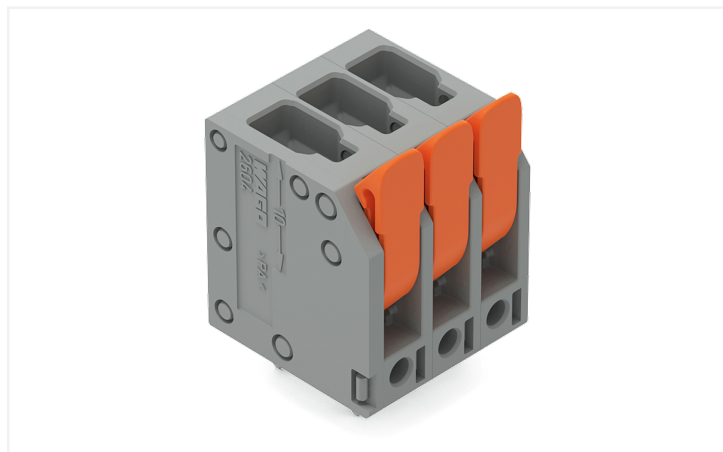


Data Sheet | Item Number: 2604-3106

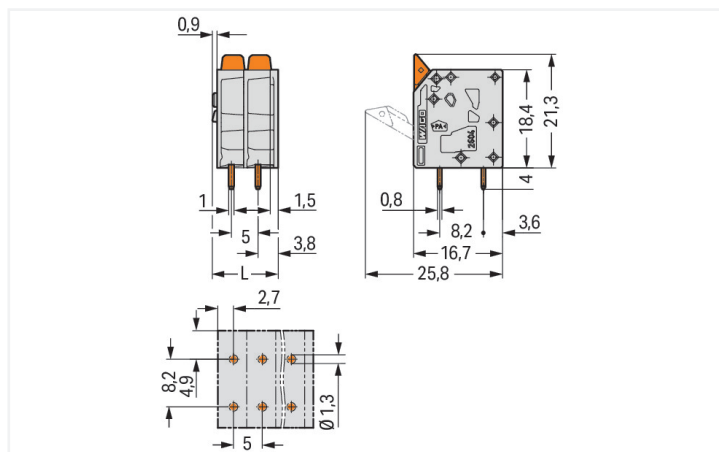
PCB terminal block; lever; 4 mm²; Pin spacing 5 mm; 6-pole; Push-in CAGE CLAMP®; gray

<https://www.wago.com/2604-3106>



Color: ■ gray

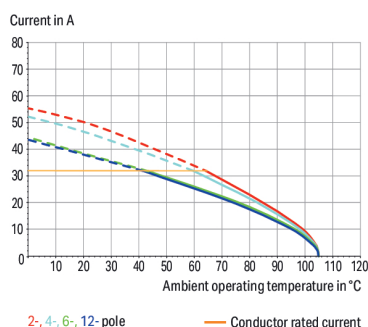
Similar to illustration



Dimensions in mm

L = (pole no. - 1) x pin spacing + 7.4 mm

Current-Carrying Capacity Curve
Pin spacing: 5 mm / Conductor cross-section: 4 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1



PCB terminal block, 2604 Series, 90° conductor entry to board

Our PCB terminal block (item number 2604-3106) makes connecting wires quick and easy. It is a universal connector that can be used almost 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 selecting a PCB terminal block, as they indicate possible applications and uses. This product has a rated voltage of 400 V and a rated current of 32 A, making it suitable for high-load applications. Conductors should only be connected to this PCB terminal block if their strip length is between 9 mm and 11 mm. This product incorporates 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. Dimensions: 32.4 x 25.3 x 16.7 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 4 mm². Up to six potentials / six poles can be connected to this terminal strip using six clamping points on one level. The contacts are made of electrolytic copper (ECu), the clamping spring is made of chrome-nickel spring steel (CrNi), 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. The PCB terminal block is designed for THT soldering. The conductor is designed to be inserted at an angle of 90°. The solder pins measure 0.8 x 1 mm in cross-section and 4 mm in length and are arranged over the entire terminal strip (in-line). There are two 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		320 V	400 V	630 V
Rated surge voltage		4 kV	4 kV	4 kV
Rated current		32 A	32 A	32 A
Approvals per		UL 1059		
Use group		B	C	D
Rated voltage		300 V	-	300 V
Rated current		20 A	-	10 A

Approvals per		CSA		
Use group		B	C	D
Rated voltage		300 V	-	300 V
Rated current		20 A	-	5 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	0.2 ... 4 mm² / 24 ... 12 AWG
Fine-stranded conductor	0.2 ... 4 mm² / 24 ... 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 2.5 mm²
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 2.5 mm²
Fine-stranded conductor; with twin ferrule	0.25 ... 1.5 mm²
Strip length	9 ... 11 mm / 0.35 ... 0.43 inches
Conductor connection direction to PCB	90 °
Pole number	6

Physical data	
Pin spacing	5 mm / 0.197 inches
Width	32.4 mm / 1.276 inches
Height	25.3 mm / 0.996 inches
Height from the surface	21.3 mm / 0.839 inches
Depth	16.7 mm / 0.657 inches
Solder pin length	4 mm
Solder pin dimensions	0.8 x 1 mm
Drilled hole diameter with tolerance	1.3 ^(+0.1) mm



PCB contact		
PCB contact		THT
Solder pin arrangement		over the entire terminal strip (in-line)
Number of solder pins per potential		2

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		0.257 MJ
Actuator color		orange
Weight		10 g

Environmental requirements		
Limit temperature range	-60 ... +105 °C	Environmental Testing Test specification: Railway applications – Rolling stock – Electronic equipment Test procedure: Railway applications – Rolling stock equipment – Vibration and shock tests Spectrum/Mounting location Functional test with noise-like oscillations Frequency Acceleration Test duration per axis Test directions Monitoring of contact faults and interruptions Voltage drop measurement before and after each axis Simulated service life test through increased levels of noise-like oscillations Frequency Acceleration Test duration per axis Test directions Extended testing: Monitoring of contact faults and interruptions Extended testing: Voltage drop measurement before and after each axis Shock test Shock pulse form Acceleration Shock duration Number of shocks (per axis) Test directions
Processing temperature	-35 ... +60 °C	
Continuous operating temperature	-60 ... +105 °C	
DIN EN 50155 (VDE 0115-200):2022-06		
DIN EN 61373 (VDE 0115-0106):2011-04		
Service life test, Category 1, Class A/B		
Test passed according to Section 8 of the standard		
f ₁ = 5 Hz to f ₂ = 150 Hz		
0.101g (highest test level used for all axes)		
10 min.		
X, Y and Z axes		
Passed		
Passed		
Test passed according to Section 9 of the standard		
f ₁ = 5 Hz to f ₂ = 150 Hz		
0.572g (highest test level used for all axes)		
5 h		
X, Y and Z axes		
Passed		
Passed		
Test passed according to Section 10 of the standard		
Half sine		
5g (highest test level used for all axes)		
30 ms		
3 pos. und 3 neg.		
X, Y and Z axes		



Environmental Testing		
Extended testing: Monitoring of contact faults and interruptions	Passed	
Extended testing: Voltage drop measurement before and after each axis	Passed	
Vibration and shock stress for rolling stock equipment	Passed	

Commercial data		
PU (SPU)	60 pcs	
Packaging type	Box	
Country of origin	PL	
GTIN	4066966391015	
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-61583
KEMA/KEUR DEKRA Certification B.V.	EN 60947-7-4	71-100535
UL Underwriters Laboratories Inc.	UL 1059	E45172

Declarations of conformity and manufacturer's declarations



Approval	Standard	Certificate Name
Railway WAGO GmbH & Co. KG	-	Z00004411.000

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2604-3106

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Documentation

Additional Information

Technical Section

03.04.2019

pdf

2027.26 KB

↓

CAD/CAE-Data

CAD data

2D/3D Models 2604-3106

↓

CAE data

ZUKEN Portal 2604-3106

↓

PCB Design

Symbol and Footprint via SamacSys 2604-3106

↓

Symbol and Footprint via Ultra Librarian 2604-3106

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1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule



[Item No.: 216-241](#)
Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white



[Item No.: 216-242](#)
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



[Item No.: 216-243](#)
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.: 216-244](#)
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.: 216-246](#)
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.: 216-106](#)
Ferrule; Sleeve for 2.5 mm² / AWG 14; 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.