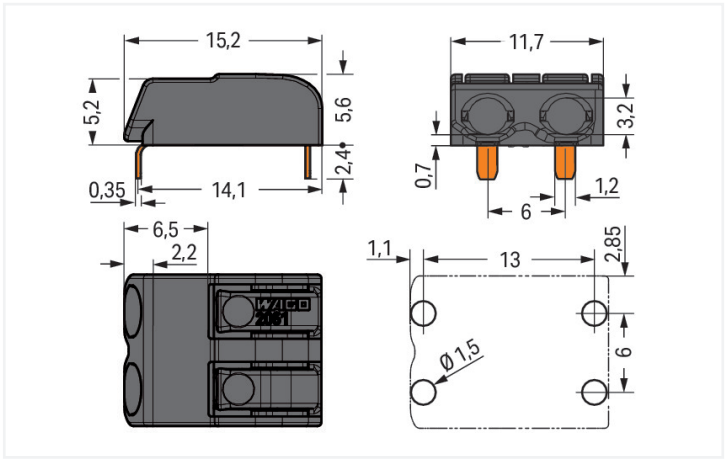
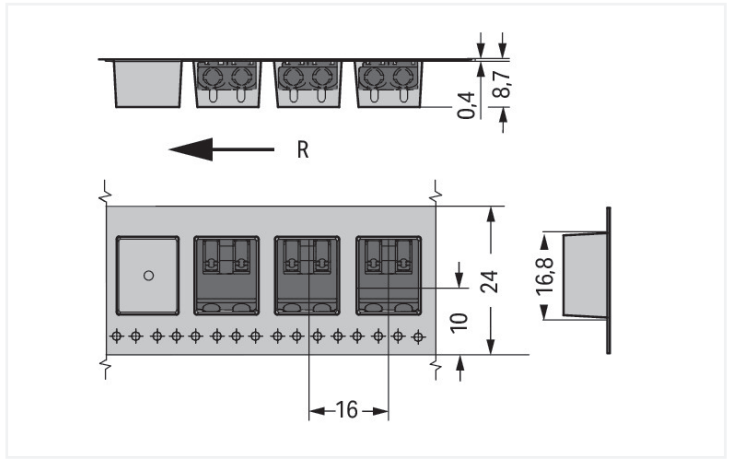
THR PCB terminal block; push-button; 1.5 mm²; Pin spacing 6 mm; 2-pole; Push-in CAGE CLAMP®; in tape-and-reel packaging; black

https://www.wago.com/2061-1622/998-404

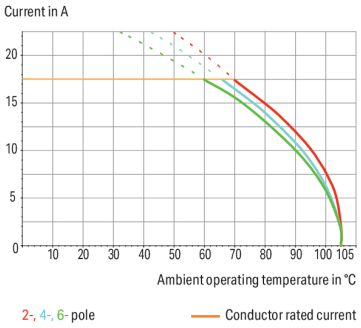
Color: ■ black



Dimensions in mm



Dimensions in mm
R = feed direction


Current-Carrying Capacity Curve
Pin spacing: 6 mm / Conductor cross-section: 1.5 mm² "e"
Based on: EN 60512-5-2 / Reduction factor: 1
Current in A
20
15
10
5
0
10 20 30 40 50 60 70 80 90 100 105
Ambient operating temperature in °C
2-, 4-, 6- pole
Conductor rated current

PCB terminal block, 2061 Series, 0 °conductor entry to board

Connecting conductors is quick and easy with this PCB terminal block (item number 2061-1622/998-404). It is a universal connector that can be used almost 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. Our PCB terminal block is rated for 320 V and is designed for use with a rated current of up to 17.5 A. It can therefore be used in high-load applications. Conductors can only be connected to this PCB terminal block if their strip length is between 7 mm and 10 mm. This product incorporates one conductor terminal and utilizes Push-in CAGE CLAMP®. Push-in CAGE CLAMP® technology provides a universal connection solution for any type of conductor. It allows both solid and fine-stranded conductors with ferrules to be inserted directly into the clamping point without the need for tools. Dimensions: 11.7 x 8 x 15.2 mm (width x height x depth). This PCB terminal block is suitable for conductor cross sections ranging from 0.25 mm² to 1.5 mm². It has one level. You can connect two potentials / two poles using the two clamping points. The black housing is made of polyphthalamide (PPA GF) for insulation and the contacts are made of copper alloy. The contact surface is coated with tin. This PCB terminal block is operated with a push-button. The PCB terminal block is designed for THR soldering. Insert the conductor at a 0° angle.. The solder pins are organized over the entire terminal strip (in-line) and are 1.2 x 0.35 mm cross-section and 2.4 mm in length. Each potential has two solder pins.

Notes

Note	Application notes: Suitable for lead-free, reflow-soldering profiles per DIN EN 61760-1 and IEC 60068-2-58 up to max. 260°C peak temperature. Due to application-specific variables (component configuration and orientation, type of soldering machine, solder paste), trial runs are recommended to ensure product and process compatibility under actual manufacturing conditions. Depending on reflow soldering temperatures and times, color deviations may occur. These deviations will have no impact on functionality.
Recommendation	Recommendation for stencil: 150 µm material thickness Stencil hole diameter identical to metal-plated PCB hole outer diameter

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	320 V	630 V
Rated impulse withstand voltage	4 kV	4 kV	4 kV
Rated current	17.5 A	17.5 A	17.5 A

Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	10 A	-	10 A

Connection data

Clamping units	2
Total number of potentials	2
Number of connection types	1
Number of levels	1

Connection 1

Connection technology	Push-in CAGE CLAMP®
Actuation type	Push-button
Solid conductor	0.25 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor	0.5 … 1.5 mm² / 20 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.5 … 0.75 mm²
Fine-stranded conductor; with uninsulated ferrule	0.5 … 0.75 mm²
Strip length	7 … 10 mm / 0.28 … 0.39 inches
Conductor connection direction to PCB	0 °
Pole number	2

Physical data

Pin spacing	6 mm / 0.24 inches
Width	11.7 mm / 0.461 inches
Height	8 mm / 0.315 inches
Height from the surface	5.6 mm / 0.22 inches
Depth	15.2 mm / 0.598 inches
Solder pin length	2.4 mm
Solder pin dimensions	1.2 x 0.35 mm
Plated through-hole diameter (THR)	1.5 $^{(+0.1)}$ mm
Reel diameter of tape-and-reel packaging	330 mm
Tape width	24 mm

PCB contact

PCB contact	THR
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	black
Material group	I
Insulation material (main housing)	Polyphthalamide (PPA GF)
Flammability class per UL94	V0
Contact material	Copper alloy
Contact Plating	Tin
Fire load	0.022 MJ
Weight	1 g
MSL per J-STD 020D	1

Environmental requirements

Limit temperature range	-60 … +105 °C

Commercial data

PU (SPU)	4320 (480) pcs
Packaging type	Box
Country of origin	CN
GTIN	4055143274708
Customs tariff number	85369010000

Product Classification

UNSPSC	39121409
eCl@ss 10.0	27-14-11-06
eCl@ss 9.0	27-14-11-06
ETIM 9.0	EC001284
ETIM 8.0	EC001284
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947-7-4	NTR NL-7773
CCA DEKRA Certification B.V.	EN 60947-7-4	71-110254
CCA DEKRA Certification B.V.	EN 60838	NTR NL-7721
cURus Underwriters Laboratories Inc.	UL 1059	E45172
KEMA/KEUR DEKRA Certification B.V.	EN 60838	71-106232

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 2061-1622/998-404

Continued on next page

Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB
		pdf 535.32 KB

CAD/CAE-Data

CAD data

2D/3D Models
2061-1622/998-404

CAE data

ZUKEN Portal
2061-1622/998-404

PCB Design

Symbol and Footprint
via SamacSys
2061-1622/998-404

Symbol and Footprint
via Ultra Librarian
2061-1622/998-404

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule

Item No.: 216-201
Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; acc. to DIN 46228, Part 4/09.90; white

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.: 216-141
Ferrule; Sleeve for 0.5 mm² / 20 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92

Item No.: 216-101
Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored

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.: 216-262
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.: 216-202
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray

Item No.: 216-142
Ferrule; Sleeve for 0.75 mm² / 18 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92

Item No.: 216-102
Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored

1.1.2 Tool

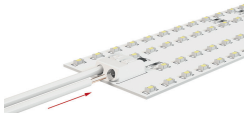
1.1.2.1 Operating tool

Item No.: 206-866
Operating tool; for 2061 Series

Item No.: 2061-190
Operating tool; made of insulating material

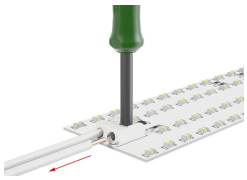
Installation Notes

Conductor termination



Inserting solid conductors via push-in termination.

Conductor termination



Easy conductor removal, e.g., via operating tool (206-861)