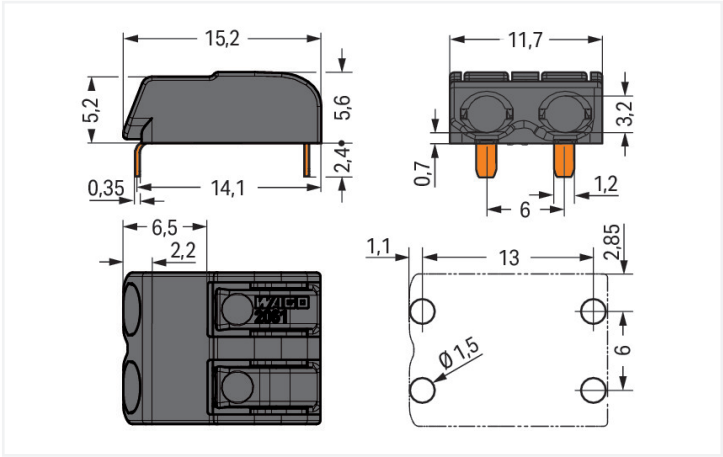
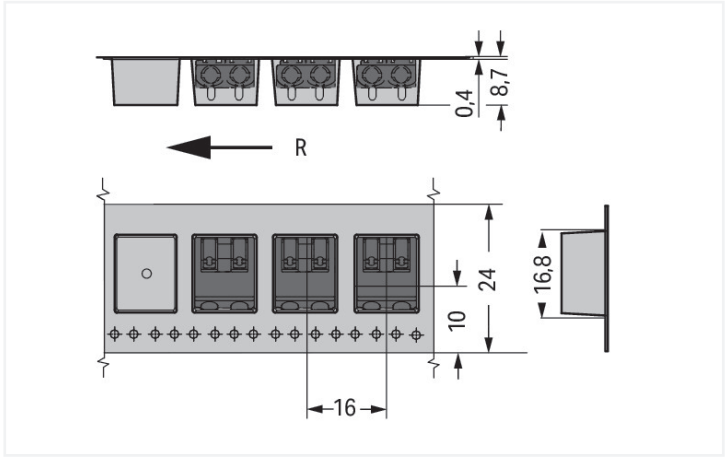




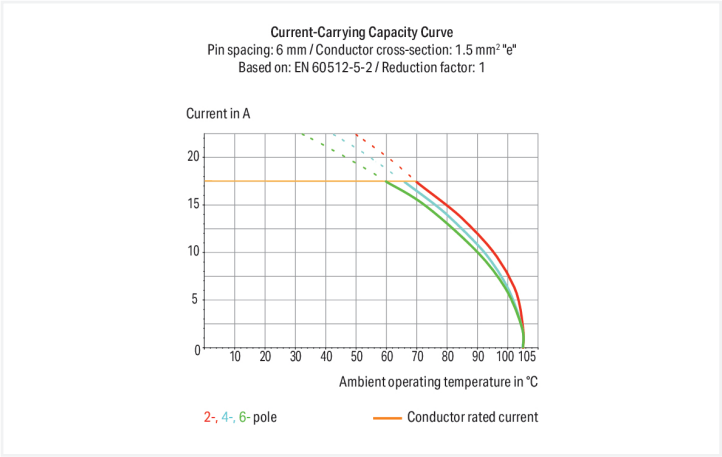
Color: ■ black



Dimensions in mm



Dimensions in mm
R = feed direction



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	<div>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.</div> <div>Depending on reflow soldering temperatures and times, color deviations may occur. These deviations will have no impact on functionality.</div>
Recommendation	<div>Recommendation for stencil: 150 µm material thickness Stencil hole diameter identical to metal-plated PCB hole outer diameter</div>



Electrical data

Ratings per IEC/EN 60664-1				Approvals per UL 1059			
Overvoltage category	III	III	II	Use group	B	C	D
Pollution degree	3	2	2	Rated voltage	300 V	-	300 V
Nominal voltage	250 V	320 V	630 V	Rated current	10 A	-	10 A
Rated surge voltage	4 kV	4 kV	4 kV				
Rated current	17.5 A	17.5 A	17.5 A				

Connection data

Clamping units	2	Connection 1	
Total number of potentials	2	Connection technology	Push-in CAGE CLAMP®
Number of connection types	1	Actuation type	Push-button
Number of levels	1	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	



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; in- sulated; 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; in- sulated; 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; un- insulated; 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; un- insulated; electro-tin plated; silver-colo- red
Item No.: 216-242 Ferrule; Sleeve for 0.75 mm² / 18 AWG; in- sulated; 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; in- sulated; 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; in- sulated; electro-tin plated; gray	Item No.: 216-142 Ferrule; Sleeve for 0.75 mm² / 18 AWG; uninsulated; electro-tin plated; electroly- tic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92
Item No.: 216-102 Ferrule; Sleeve for 0.75 mm² / AWG 20; un- insulated; 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

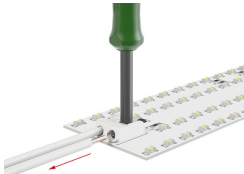
Installation Notes

Conductor termination



Inserting solid conductors via push-in termination.

Conductor termination



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