

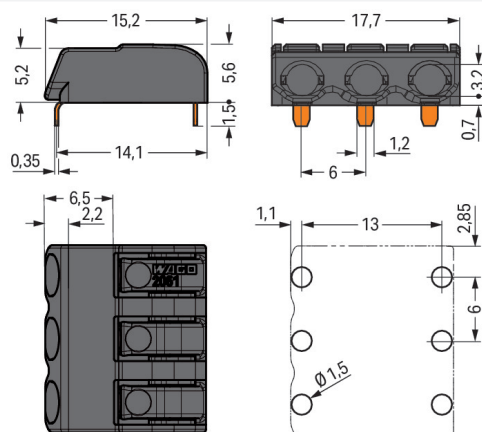
Data Sheet | Item Number: 2061-1663/998-404

THR PCB terminal block; push-button; 1.5 mm²; Pin spacing 6 mm; 3-pole; Push-in
CAGE CLAMP®; in tape-and-reel packaging; 1,50 mm²; black

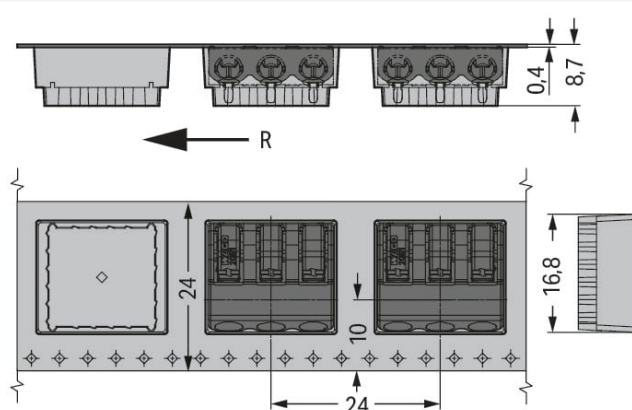
<https://www.wago.com/2061-1663/998-404>



Color: ■ black

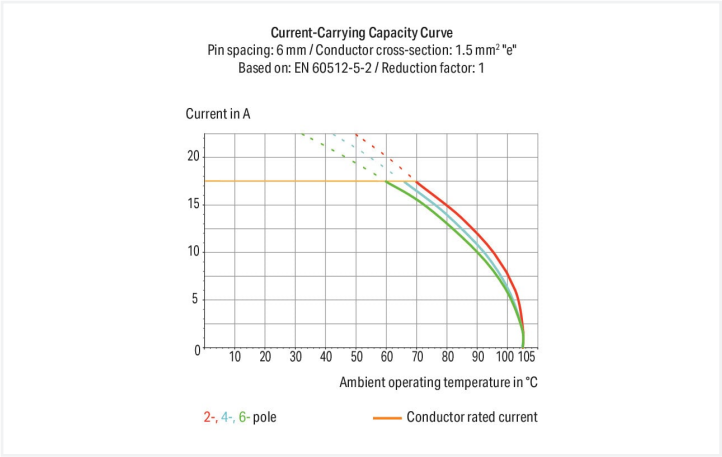


Dimensions in mm



Dimensions in mm

R = feed direction





- THR PCB terminal blocks with Push-in CAGE CLAMP® connection technology and push-buttons
- Push-in termination of solid and ferruled conductors
- Convenient termination/removal of fine-stranded conductors via push-buttons
- Just 5.6 mm tall
- Available in tape-and-reel packaging for automated assembly
- Also suitable for wave soldering
- Assemble terminal blocks without pole loss

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				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

Connection points	3	Connection 1	
Total number of potentials	3	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	3

Physical data

Pin spacing	6 mm / 0.24 inches
Width	17.7 mm / 0.697 inches
Height	7.1 mm / 0.28 inches
Height from the surface	5.6 mm / 0.22 inches
Depth	15.2 mm / 0.598 inches
Solder pin length	1.5 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	Polyphthalamide (PPA GF)
Flammability class per UL94	V0
Contact material	Copper alloy
Contact plating	Tin
Fire load	0 MJ
Weight	1.6 g
MSL per J-STD 020D	1



Environmental requirements	
Limit temperature range	-60 ... +105 °C

Commercial data	
eCl@ss 10.0	27-14-11-06
eCl@ss 9.0	27-14-11-06
ETIM 8.0	EC001284
ETIM 7.0	EC001284
PU (SPU)	2880 (320) pcs
Packaging type	Box
Country of origin	CH
GTIN	4055143274784
Customs tariff number	85369010000

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 2061-1663/998-404	



Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2010.85 KB	
		pdf 535.32 KB	

CAD/CAE-Data

CAD data
2D/3D Models 2061-1663/998-404

CAE data
ZUKEN Portal 2061-1663/998-404

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; in- sulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white	 Item No.: 216-201 Ferrule; Sleeve for 0.5 mm² / 20 AWG; in- sulated; electro-tin plated; 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 materi- al
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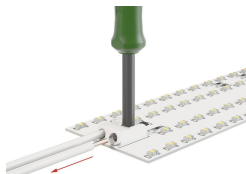
Installation Notes

Conductor termination



Inserting solid conductors via push-in termination.

Conductor termination



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