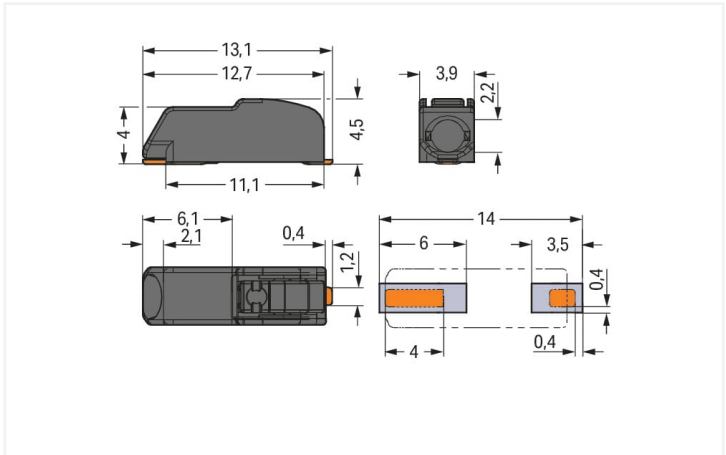


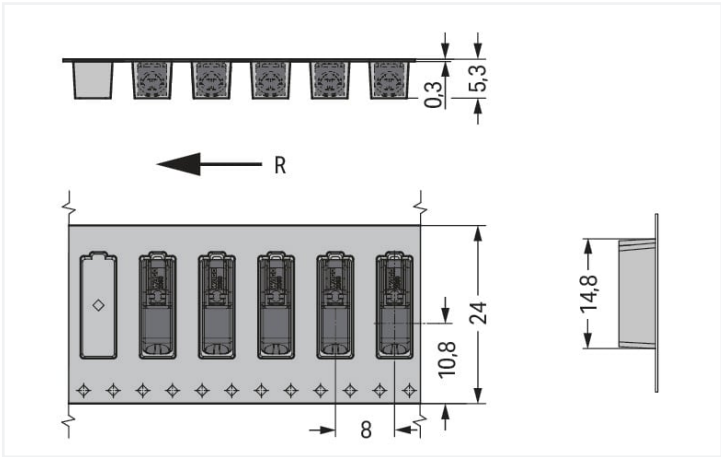
Data Sheet | Item Number: 2060-471/998-404
SMD PCB terminal block; push-button; 0.75 mm²; Pin spacing 4 mm; 1-pole; Push-in
CAGE CLAMP®; in tape-and-reel packaging; 0,75 mm²; black
<https://www.wago.com/2060-471/998-404>



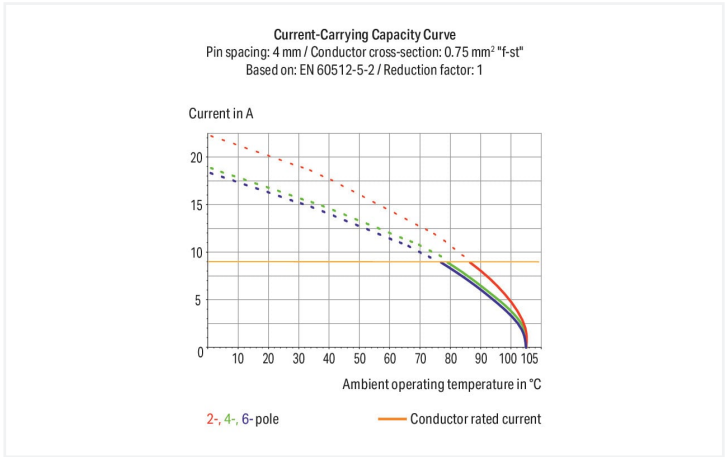
Color: ■ black



Dimensions in mm



Dimensions in mm
R = feed direction



- SMD 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 4.5 mm tall
- Available in tape-and-reel packaging for automated assembly

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 for stencil: 150 µm material thickness; Pattern layout identical to solder pad layout
Recommendation	



Electrical data						
Ratings per		IEC/EN 60664-1			Approvals per	
		UL 1977				
Overvoltage category	III	III	II		Rated voltage	600 V
Pollution degree	3	2	2		Rated current	9 A
Nominal voltage	63 V	160 V	320 V			
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV			
Rated current	9 A	9 A	9 A			

Connection data						
Connection points	1				Connection 1	
Total number of potentials	1				Connection technology	Push-in CAGE CLAMP®
Number of connection types	1				Actuation type	Push-button
Number of levels	1				Solid conductor	0.2 ... 0.75 mm² / 24 ... 18 AWG
					Fine-stranded conductor	0.2 ... 0.75 mm² / 24 ... 18 AWG
					Fine-stranded conductor; with insulated ferrule	0.25 ... 0.34 mm²
					Fine-stranded conductor; with uninsulated ferrule	0.25 ... 0.34 mm²
					Strip length	7 ... 9 mm / 0.28 ... 0.35 inches
					Conductor connection direction to PCB	0 °
					Pole number	1

Physical data		
Pin spacing	4 mm / 0.157 inches	
Width	3.9 mm / 0.154 inches	
Height	4.5 mm / 0.177 inches	
Depth	13.1 mm / 0.516 inches	
Reel diameter of tape-and-reel packaging	330 mm	
Tape width	24 mm	

PCB contact		
PCB contact	SMD	
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	
Clamping spring material	Copper alloy	
Contact material	Copper alloy	
Contact plating	Tin	
Fire load	0 MJ	
Weight	0.2 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)	13500 (1500) pcs
Packaging type	Box
Country of origin	CH
GTIN	4055143251198
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	NTR NL-7724
CCA DEKRA Certification B.V.	EN 60838	NTR NL 2168246
CCA DEKRA Certification B.V.	EN 60947-7-4	NTR NL 7843
cURus Underwriters Laboratories Inc.	UL 1977	E45171
KEMA/KEUR DEKRA Certification B.V.	EN 60838	2168246.01
KEMA/KEUR DEKRA Certification B.V.	EN 60947	71-108183
KEMA/KEUR DEKRA Certification B.V.	EN 60998	71-109040
KEMA/KEUR DEKRA Certification B.V.	EN 60947-7-4	71-114208

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance
2060-471/998-404

↓

Documentation

Additional Information

Technical Section
03.04.2019
pdf
2010.85 KB

↓

CAD/CAE-Data

CAD data
2D/3D Models
2060-471/998-404

↓

CAE data
ZUKEN Portal
2060-471/998-404

↓

1 Compatible Products

1.1 Optional Accessories

1.1.1 Board-to-board link

1.1.1.1 Board-to-board link



[Item No.: 2060-951/028-000](#)
Board-to-Board Link; Pin spacing 4 mm; 1-pole; Length: 28 mm; white

1.1.2 Ferrule

1.1.2.1 Ferrule

[Item No.: 216-301](#)
Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow

[Item No.: 216-131](#)
Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated; silver-colored

[Item No.: 216-302](#)
Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise

[Item No.: 216-132](#)
Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated

1.1.3 Tool

1.1.3.1 Operating tool



Item No.: 206-860
Operating tool; for 2060 Series; multicoloured



Item No.: 2060-189
Operating tool; made of insulating material; for 2060 Series; white

Installation Notes

Conductor termination



Insert solid conductors via push-in termination.

Conductor termination



Insert/remove fine-stranded conductors by lightly pressing on push-button, e.g., via optional operating tool (206-860).



Terminal blocks can be arranged side-by-side without loss of poles.