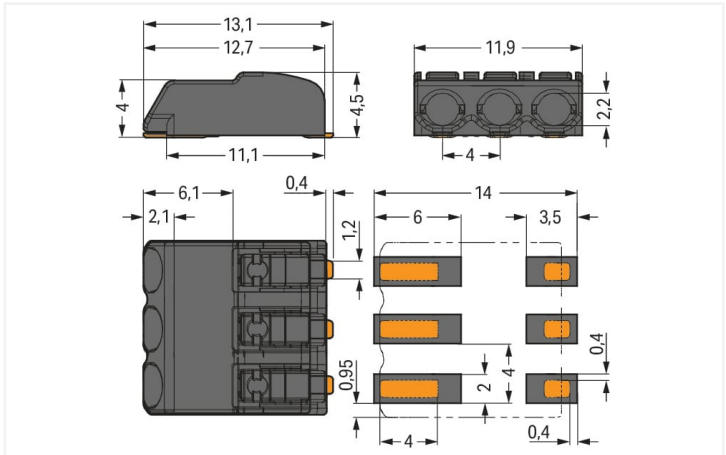


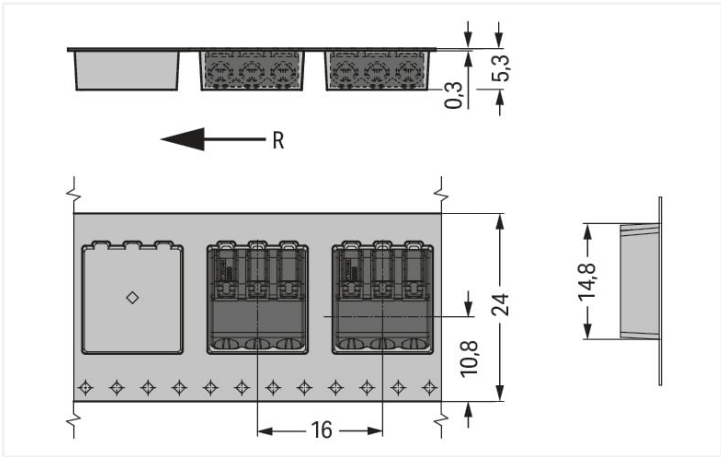
Data Sheet | Item Number: 2060-473/998-404
SMD PCB terminal block; push-button; 0.75 mm²; Pin spacing 4 mm; 3-pole; Push-in
CAGE CLAMP®; in tape-and-reel packaging; 0,75 mm²; black
<https://www.wago.com/2060-473/998-404>



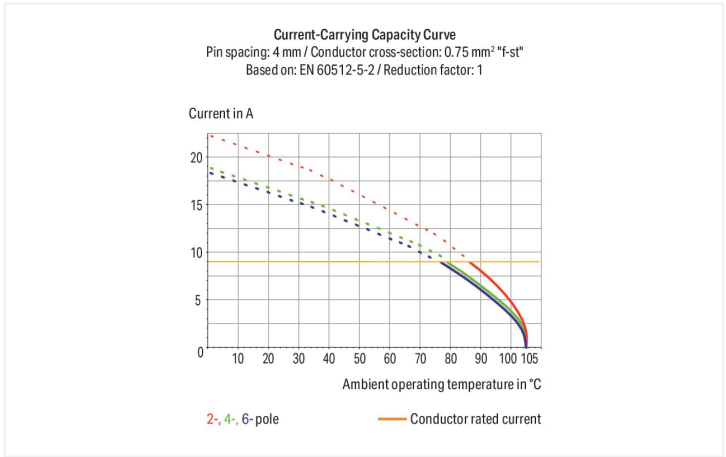
Color: ■ black



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



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

Connection data						
Connection points			3			Connection 1
Total number of potentials			3			Connection technology
Number of connection types			1			Push-in CAGE CLAMP®
Number of levels			1			Actuation type
						Push-button
						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
						3

Physical data		
Pin spacing		4 mm / 0.157 inches
Width		11.9 mm / 0.469 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		0.011 MJ
Weight		0.8 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)	6750 (750) pcs
Packaging type	Box
Country of origin	CH
GTIN	4055143251174
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	2060-473/998-404		

Documentation			
Additional Information			
Technical Section	03.04.2019	pdf 2010.85 KB	

CAD/CAE-Data			
CAD data		CAE data	
2D/3D Models	2060-473/998-404	ZUKEN Portal	2060-473/998-404

1 Compatible Products
1.1 Optional Accessories
1.1.1 Board-to-board link
1.1.1.1 Board-to-board link



[Item No.: 2060-953/028-000](#)
Board-to-Board Link; Pin spacing 4 mm; 3-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.