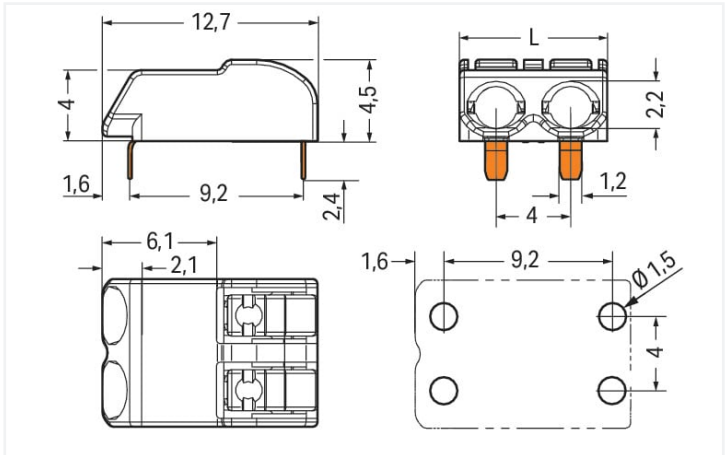


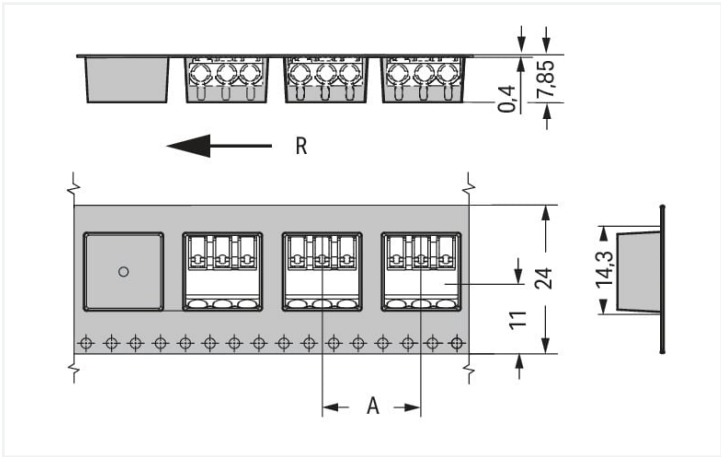
Data Sheet | Item Number: 2060-1453/998-404
THR PCB terminal block; push-button; 0.75 mm²; Pin spacing 4 mm; 3-pole; Push-in
CAGE CLAMP®; in tape-and-reel packaging; 0,75 mm²; white
<https://www.wago.com/2060-1453/998-404>



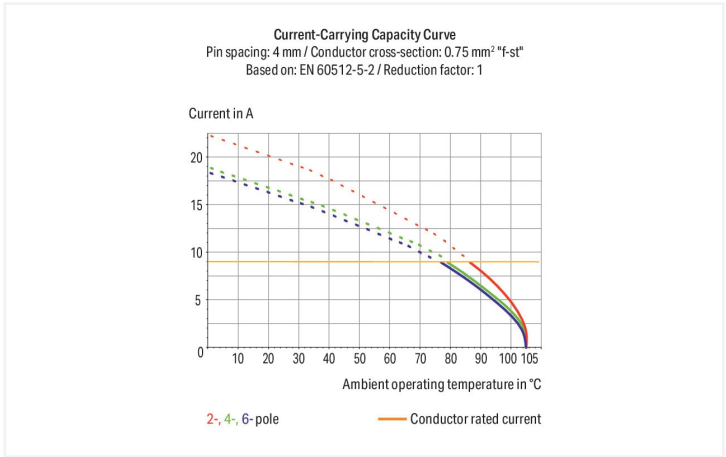
Color: white



Dimensions in mm
L = (pole no. x pin spacing) – 0.1 mm



Dimensions in mm
R = feed direction
A = (pole no. x pin spacing) + 4 mm



- 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 4.5 mm tall
- Available in tape-and-reel packaging for automated assembly
- Also suitable for wave soldering

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 1977	
Overvoltage category	III	III	II	Rated voltage	320 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	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	0.2 ... 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	6 ... 7 mm / 0.24 ... 0.28 inches
		Conductor connection direction to PCB	0 °
		Pole number	3

Physical data

Pin spacing	4 mm / 0.157 inches
Width	11.9 mm / 0.467 inches
Height	6.9 mm / 0.272 inches
Height from the surface	4.5 mm / 0.177 inches
Depth	12.7 mm / 0.5 inches
Solder pin length	2.4 mm
Solder pin dimensions	1.2 x 0.75 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	white
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	0.8 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)	4950 (550) pcs
Packaging type	Box
Country of origin	CH
GTIN	4055143331180
Customs tariff number	85369010000

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
CCA CCA CCA cURus US KEMA KEUR KEMA KEUR KEMA KEUR KEMA KEUR			Approval	Standard	Certificate Name
CCA	EN 60947	NTR NL-7724	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
CCA	EN 60838	NTR NL 2168246	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
CCA	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			



Downloads			
Environmental Product Compliance			
Compliance Search			
Environmental Product Compliance	2060-1453/998-404		

Documentation			
Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	
		pdf 535.32 KB	

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 2060-1453/998-404	ZUKEN Portal 2060-1453/998-404

PCB Design	
Symbol and Footprint via SamacSys 2060-1453/998-404	
Symbol and Footprint via Ultra Librarian 2060-1453/998-404	

1 Compatible Products
1.1 Optional Accessories
1.1.1 Ferrule
1.1.1.1 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

1.1.2 Tool

1.1.2.1 Operating tool



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



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

Installation Notes

Conductor termination



Insert solid conductors via push-in termi-
nation.

Conductor termination



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