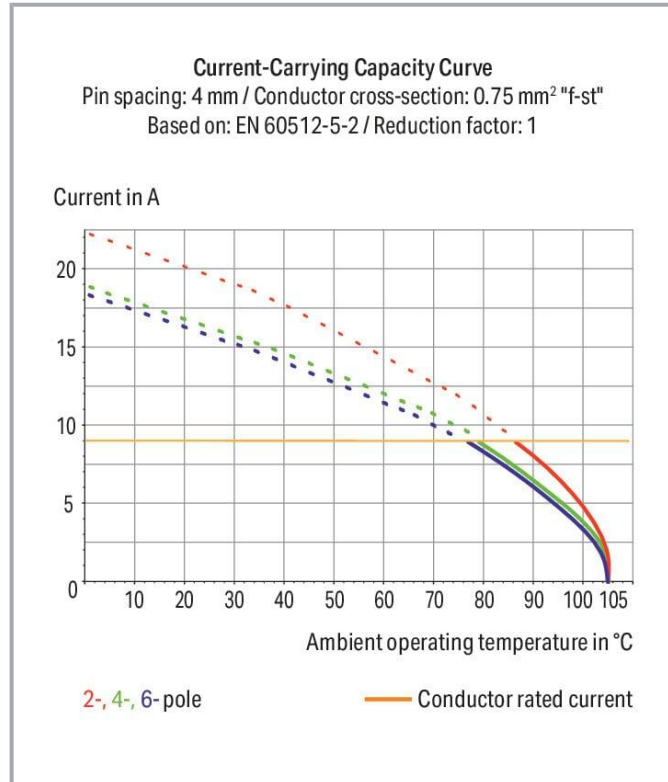


Data sheet | Item number: 2060-473/998-404

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



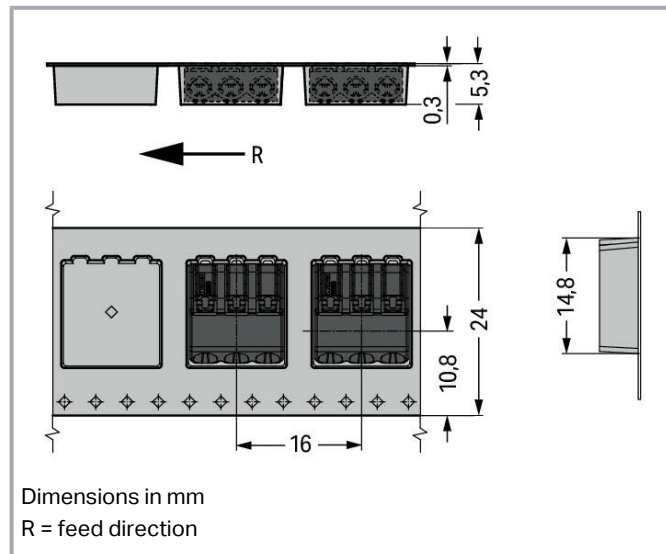
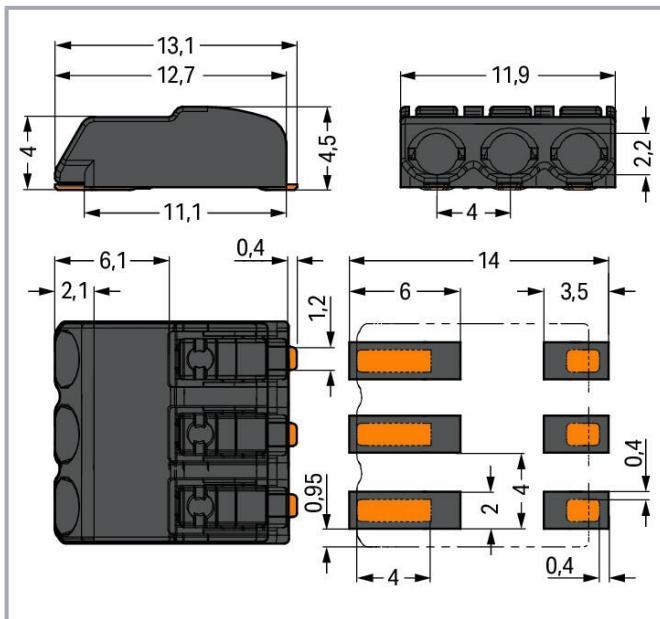
www.wago.com/2060-473/998-404



Subject to changes. Please also observe the further product documentation!

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Item description

- 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

Data 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.

Subject to changes. Please also observe the further product documentation!



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

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	63 V
Rated impulse voltage (III/3)	2.5 kV
Rated voltage (III/2)	160 V
Rated impulse voltage (III/2)	2.5 kV
Nominal voltage (II/2)	320 V
Rated surge voltage (II/2)	2.5 kV
Rated current	9 A
Legend (ratings)	(III / 2) ≙ Overvoltage category III / Pollution degree 2

Ratings per UL 1977

Rated voltage (UL 1977)	320 V
Rated current UL 1977	9 A

Connection data

Connection points	3
Total number of potentials	3
Number of connection types	1
Number of levels	1

Connection 1

Connection technology

Push-in CAGE CLAMP®

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Actuation type	Push-button
Solid conductor	0.2 ... 0.75 mm ² / 24 ... 18 AWG
Fine-stranded conductor	0.2 ... 0.75 mm ² / 24 ... 18 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 0.34 mm ²
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 0.34 mm ²
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

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Environmental requirements

Limit temperature range	-60 ... +105 °C
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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
ECCN	NO DATA
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
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Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	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	EN 60998	71-109040

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DEKRA Certification B.V.



KEMA/KEUR

EN 60947

71-108183

DEKRA Certification B.V.



KEMA/KEUR

EN 60838

2168246.01

DEKRA Certification B.V.



KEMA/KEUR



EN 60947-7-4

71-114208

DEKRA Certification B.V.



Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
	UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Counterpart



Item no.2060-953/028-000

Board-to-Board Link; Pin spacing 4 mm; 3-pole; Length: 28 mm; white

www.wago.com/2060-953/028-000



Item no.2060-953/028-004




Board-to-Board Link; Pin spacing 4 mm; 3-pole; Length: 28 mm; black

www.wago.com/2060-953/028-004

Optional accessories

Ferrule		
Ferrule	Item no.: 216-132 Ferrule; Sleeve for 0.34 mm ² / AWG 24; uninsulated; electro-tin plated	www.wago.com/216-132

Subject to changes. Please also observe the further product documentation!

	Item no.: 216-131 Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated; silver-colored	www.wago.com/216-131
	Item no.: 216-301 Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated; yellow	www.wago.com/216-301
	Item no.: 216-302 Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated; light turquoise	www.wago.com/216-302

Board-to-board link

Board-to-board link



Item no.: 2060-953/028-000
Board-to-Board Link; Pin spacing 4 mm; 3-pole; Length: 28 mm; white

www.wago.com/2060-953/028-000

Tool

Operating tool



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

www.wago.com/206-860



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

www.wago.com/2060-189

Downloads

Documentation

Additional Information

Technical Section	2019 Apr 3	pdf	Download
Technical explanations		2.1 MB	

CAD/CAE-Data

CAD data

2D/3D Models 2060-473/998-404	URL	Download
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CAE data

ZUKEN Portal 2060-473/998-404	URL	Download
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Asset Administration Shell

Asset Administration Shell 2060-473/998-404	URL	Download
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PCB Design

Subject to changes. Please also observe the further product documentation!



[URL](#)

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Symbol and Footprint via SamacSys 2060-473/998-404

CAX data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.

Supported formats:

- 3D (stp)
- Altium
- CADSTAR
- Capture
- CircuitStudio
- CR-5000
- CR-8000
- DEHDL
- DesignSpark PCB
- DesignSpark PCB PRO
- DipTrace
- EAGLE
- Easy-PC
- EasyEDA
- eCADSTAR
- KiCad
- OrCAD_Allegro16
- PADS
- Proteus
- Pulsonix
- Quadcept
- SOLIDWORKS PCB
- TARGET 3001!
- xDX Designer
- Xpedition

PCB Component Libraries (EDA), PCB CAD Library SamacSys Electronic Component Search Engine

Symbol and Footprint via Ultra Librarian 2060-473/998-404

[URL](#)

[Download](#)

CAX data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.

Supported formats:

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- Accel EDA 14 & 15
- Altair
- Altium 6 to current version
- Autodesk Fusion 360
- Cadence Allegro
- DesignSpark
- Eagle Libraries
- KiCad
- Mentor Graphics
- BoardStation
- Mentor Graphics Design Architect
- Mentor Graphics Design
- Expedition 99 and 2000
- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000
- Zuken eCADSTAR 2020 and 2021Zuken CR-5000 and CR-8000

PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2060-473/998-404	URL	Download
SMD PCB terminal block; push-button; 0.75 mm ² ; Pin spacing 4 mm; 3-pole; Push-in CAGE CLAMP®; in tape-and-reel packaging; 0,75 mm ² ; black		

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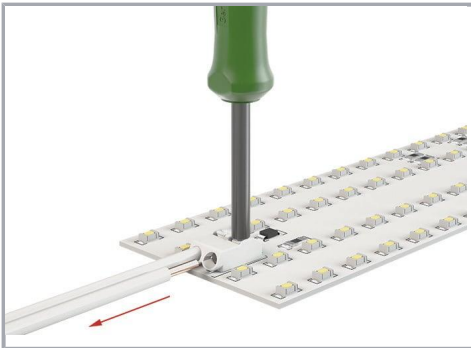
Installation Notes

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.

Subject to changes. Please also observe the further product documentation!