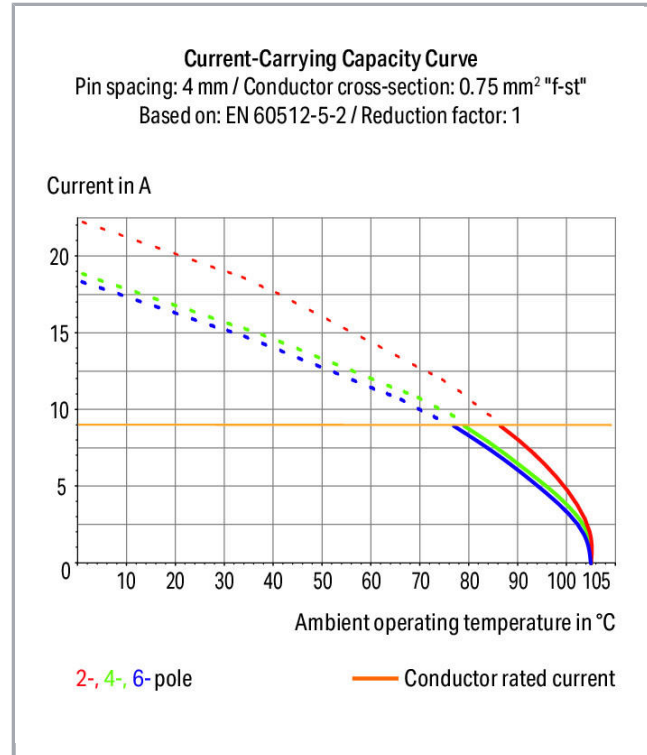


Data sheet | Item number: 2060-473/998-404

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



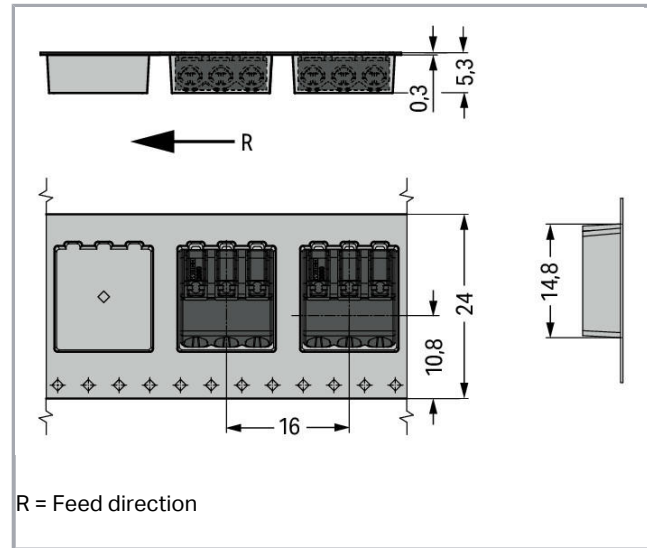
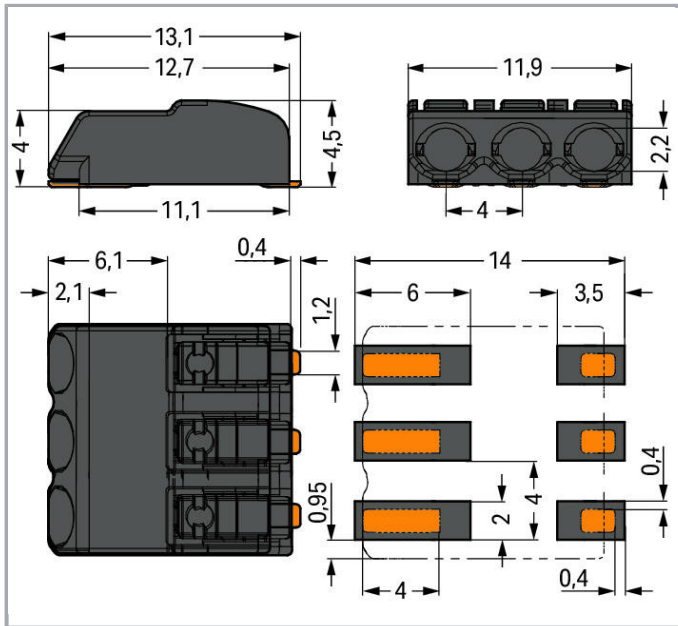
www.wago.com/2060-473/998-404



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

WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



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

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

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Note:

Application note:

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 customer-specific variables (e.g., component configuration and orientation, type of soldering machine, solder paste), trial runs are recommended to ensure product and process compatibility under actual manufacturing conditions.

Note:

Depending on reflow soldering temperatures and times, color deviations may occur. These deviations will have no impact on functionality.

Recommendation:

Recommendation for SMD stencil:

Material thickness, 150 µm. Pattern layout identical to solder pad layout.

Data

Electrical data

Ratings per IEC/EN 60664-1

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

Approvals per UL 1059

Approvals per	UL 1059
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Subject to changes. Please also observe the further product documentation!

Approvals per UL 1977

Rated voltage per UL 1977 (factory wiring only)	320 V
Rated current per UL 1977 (factory wiring only)	9 A

Connection data

Connection technology	Push-in CAGE CLAMP®
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 ferrule with plastic collar	0.25 ... 0.34 mm ²
Fine-stranded conductor with ferrule without plastic collar	0.25 ... 0.34 mm ²
Strip length	7 ... 9 mm / 0.28 ... 0.35 inch
Conductor entry angle to the PCB	0°
No. of poles	3
Total number of connection points	3
Total number of potentials	3
Number of connection types	1
Number of levels	1

Geometrical Data

Pin spacing	4 mm / 0.157 inch
Width	11.9 mm / 0.469 inch
Height	4.5 mm / 0.177 inch
Depth	13.1 mm / 0.516 inch
Reel diameter of tape-and-reel packaging	330 mm
Tape width	24 mm

PCB contact

PCB contact	SMD
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Material Data

Color	black
Material group	I
Insulating material	Polyphthalamide (PPA GF)
Flammability class per UL94	V0

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



Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper alloy
Contact plating	tin-plated
Fire load	0.011 MJ
Weight	0.8g






Environmental Requirements

Limit temperature range	-60 ... +105 °C
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Commercial data

Packaging type	BOX
Country of origin	CH
GTIN	4055143251174
Customs Tariff No.	85369010000

Approvals / Certificates**Country specific 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
	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	71-108181

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UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	cURus Underwriters Laboratories Inc.	UL 1977	20160727- E45171

Counterpart

Compatible products

General accessories

	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
ferrule		
	Item no.: 216-131 Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated	www.wago.com/216-131
	Item no.: 216-132 Ferrule; Sleeve for 0.34 mm ² / AWG 24; uninsulated; electro-tin plated	www.wago.com/216-132
	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; green	www.wago.com/216-302
tools		
	Item no.: 2060-189 Operating tool; made of insulating material; for 2060 Series	www.wago.com/2060-189
	Item no.: 206-860 Operating tool; for 2060 Series	www.wago.com/206-860

Downloads

Documentation

Additional Information

Technical explanations	Apr 3, 2019	pdf	Download
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Subject to changes. Please also observe the further product documentation!

CAD/CAE-Data

CAD data

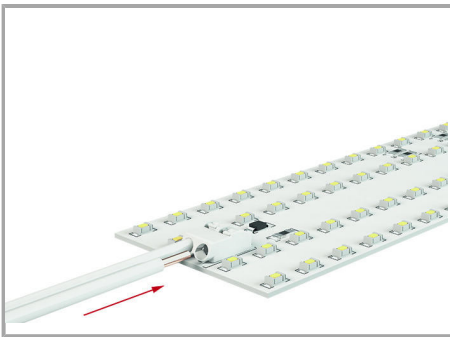
2D/3D Models 2060-473/998-404

[URL](#)

[Download](#)

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 206-860 Operating Tool).

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



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

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