

Data sheet | Item number: 2060-872/998-404

SMD PCB terminal block; Push-button; 0.75 mm²; Pin spacing 8 mm; 2-pole;
Push-in CAGE CLAMP®; in tape-and-reel packaging



2060-872/998-404

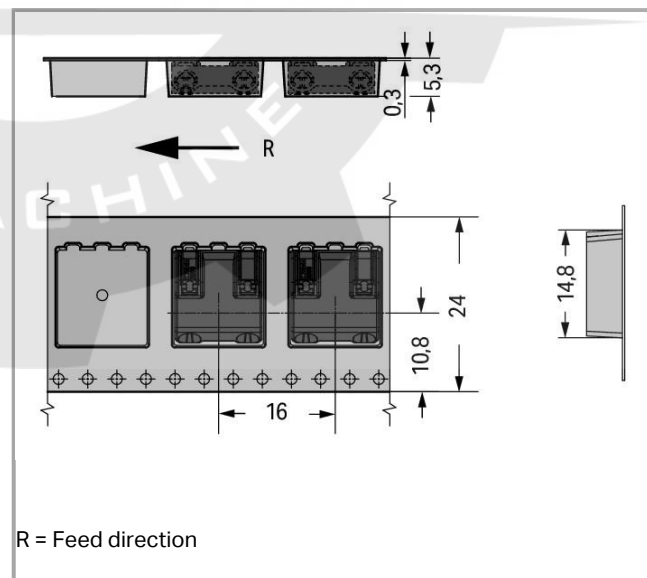
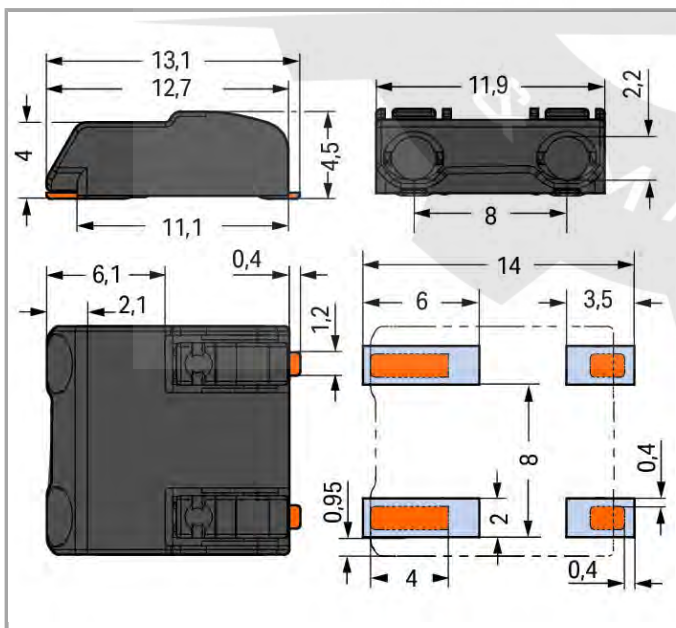
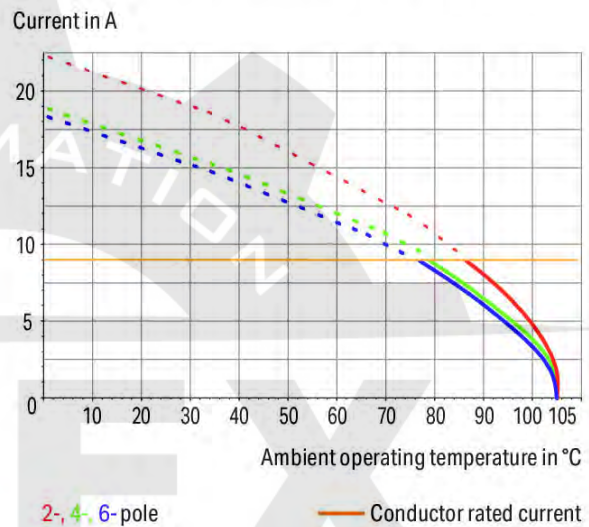


RoHS Compliant

[BOMcheck.net](https://www.bomcheck.net)

Color:

Current-Carrying Capacity Curve
Pin spacing: 4 mm / Conductor cross-section: 0.75 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1





Item description

- SMD PCB terminal blocks with Push-in CAGE CLAMP® connection technology and push-buttons
- 8 mm pin spacing version for higher-rated voltages
- Push-in termination of solid and ferruled conductors
- Convenient termination/removal of fine-stranded conductors via push-buttons
- Height of just 4.5 mm minimizes on-board LED shadowing
- Available in tape-and-reel packaging for automated assembly

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.

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

Rated voltage (III / 3)	400 V
Rated impulse voltage (III / 3)	6 kV
Rated voltage (III / 2)	630 V
Rated impulse voltage (III / 2)	6 kV
Rated voltage (II / 2)	1000 V
Rated impulse voltage (II / 2)	6 kV
Rated current	9 A

Approvals per UL 1977

Rated voltage per UL 1977 (factory wiring only)	600 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	2
Total number of connection points	2
Total number of potentials	2
Number of connection types	1
Number of levels	1

Geometrical Data

Pin spacing	8 mm / 0.314 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
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper alloy
Contact plating	tin-plated
Fire load	0 MJ
Weight	0.618 g

Environmental Requirements

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

Country of origin	CH
GTIN	4055143251167
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 60947	71-107168
	KEMA/KEUR DEKRA Certification B.V.	EN 60838	2168246.01

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
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cURus
Underwriters Laboratories Inc.

UL 1977

E45171

Compatible products

ferrule

	Item no.: 216-131 Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated	216-131
	Item no.: 216-132 Ferrule; Sleeve for 0.34 mm ² / AWG 24; uninsulated; electro-tin plated	216-132
	Item no.: 216-301 Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated	216-301
	Item no.: 216-302 Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated	216-302

tools

	Item no.: 2060-189 Operating tool; for 2060 Series SMD PCB Terminal Blocks; of insulating material	2060-189
	Item no.: 206-860 Operating tool; for terminal blocks 2060 series	206-860

General accessories

	Item no.: 2060-962/028-000 Board-to-Board Link; Pin spacing 8 mm; 2-pole; Length: 28 mm	2060-962 /028-000
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Downloads

Documentation

Additional Information

pdf
3.6 MB
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CAD/CAE - Smart Data

CAD data

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Subject to changes.
