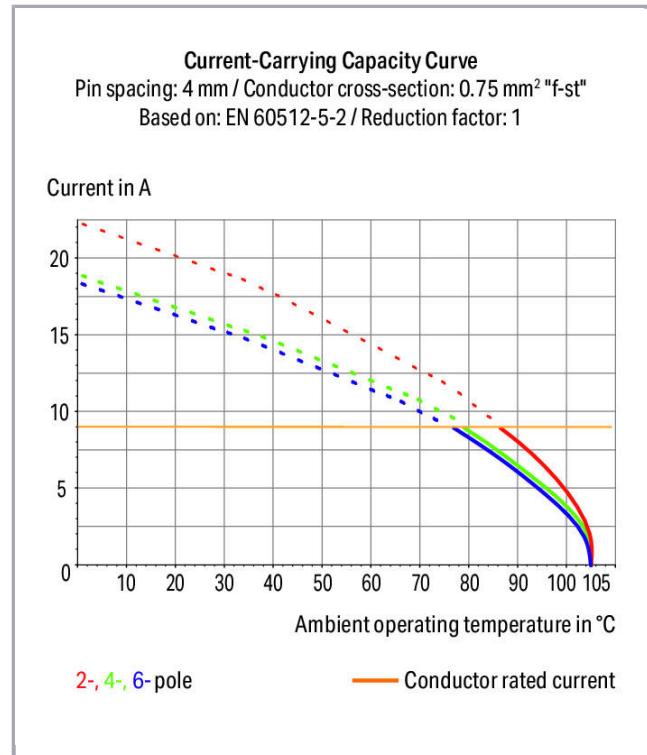
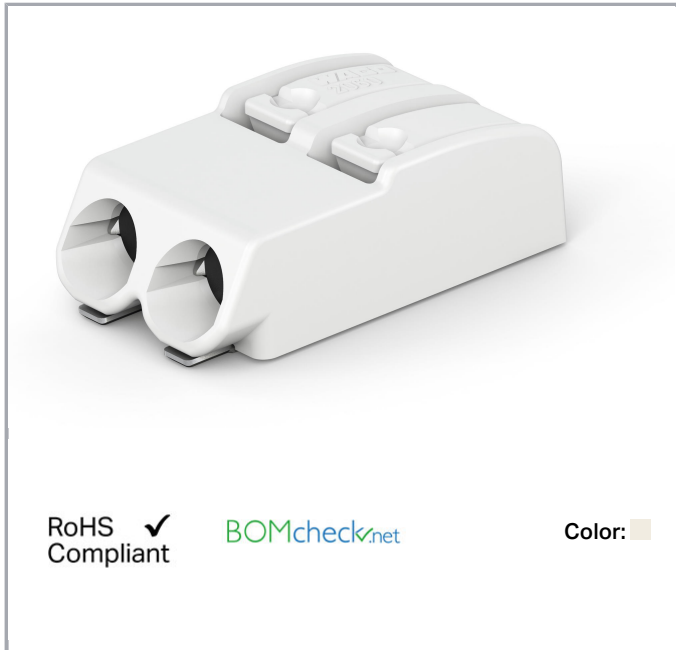


Data sheet | Item number: 2060-452/998-404

SMD PCB terminal block; push-button; 0.75 mm²; Pin spacing 4 mm; 2-pole;
Push-in CAGE CLAMP®; in tape-and-reel packaging; 0,75 mm²; white



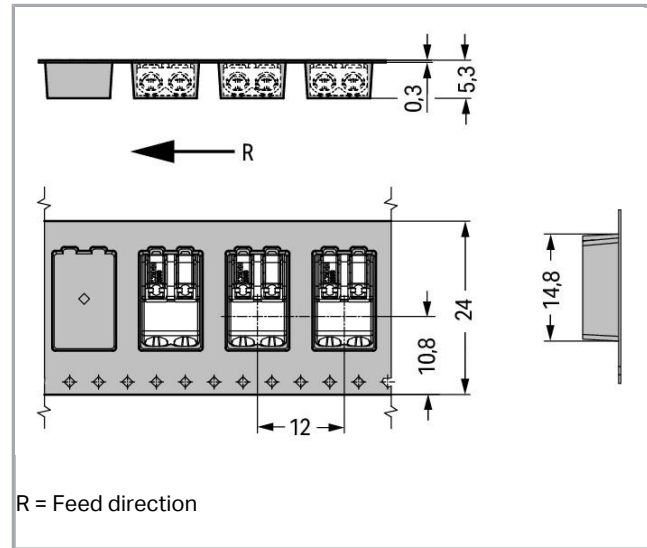
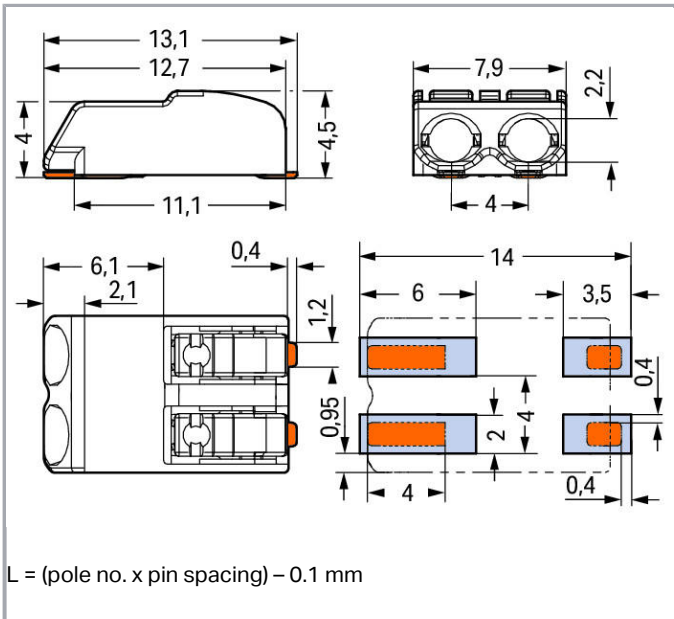
www.wago.com/2060-452/998-404



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

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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 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.

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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Approvals per UL 1977

Rated voltage per UL 1977 (factory wiring only)	320 V
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Subject to changes. Please also observe the further product documentation!



Rated current per UL 1977 (factory wiring only)	9 A
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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	4 mm / 0.157 inch
Width	7,9 mm / 0.311 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	white
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

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Weight	0.5 g
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Environmental Requirements







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

Product Group	33 (Printed Circuit)
Packaging type	BOX
Country of origin	CH
GTIN	4055143541244
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 60998	NTR NL-7725
	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

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

UL-Approvals

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



Counterpart

Compatible products

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

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

General accessories

	Item no.: 2060-952/028-000 Board-to-Board Link; Pin spacing 4 mm; 2-pole; Length: 28 mm; white	www.wago.com/2060-952/028-000
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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

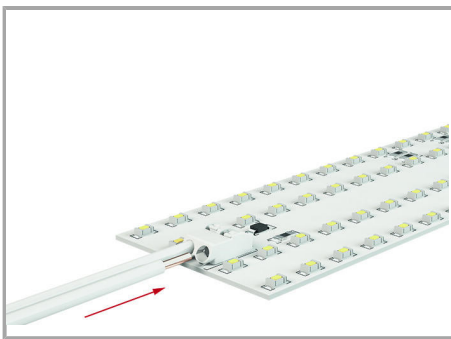
2D/3D Models 2060-452/998-404

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!