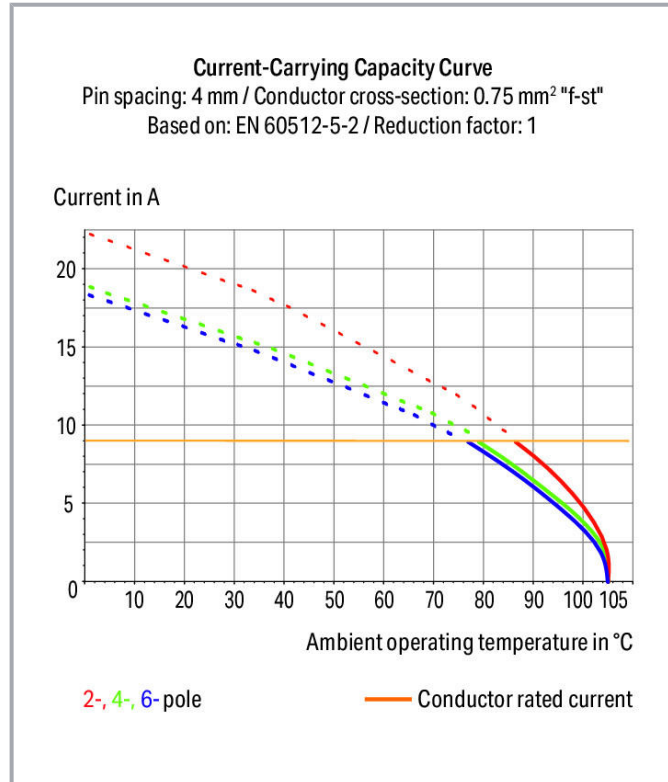


Data sheet | Item number: 2060-452/998-404

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



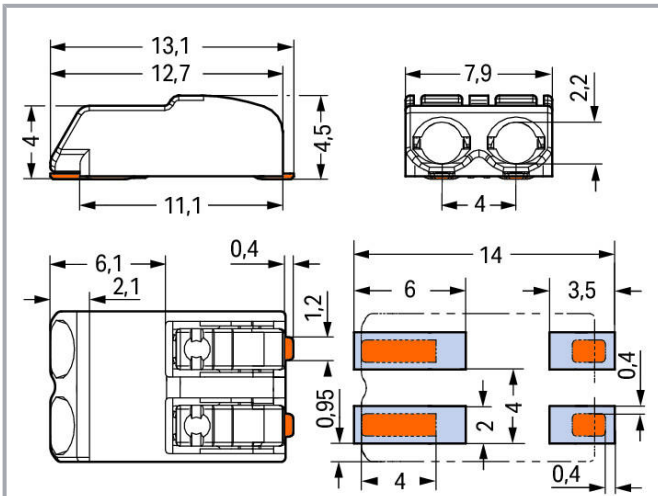
www.wago.com/2060-452_998-404



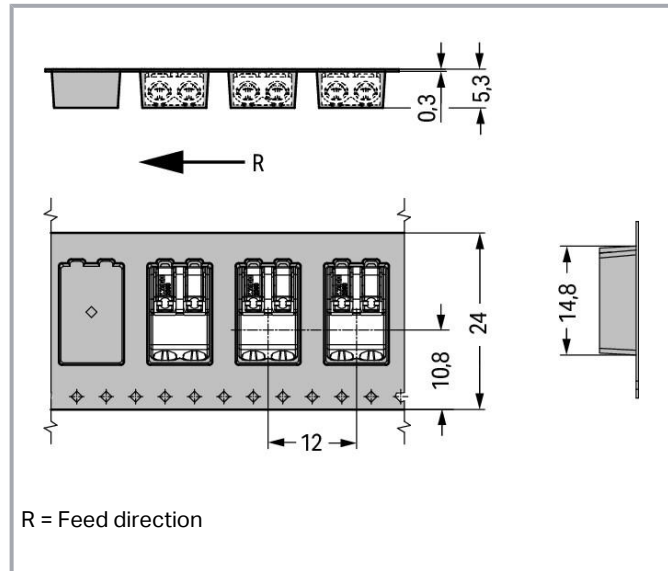
Subject to changes. Please also observe the further product documentation!

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L = (pole no. x pin spacing) - 0.1 mm



R = Feed direction



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

Note:

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



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 stencil:

Material thickness: 150 µm; Pattern layout identical to solder pad layout

Data**Electrical data****Ratings per IEC/EN**

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	63 V
Rated surge voltage (III/3)	2.5 kV
Rated voltage (III/2)	160 V
Rated surge 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

Rated voltage UL 1977	320 V
Rated current UL 1977	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

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



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 inch
Conductor connection direction to PCB	0°
Pole No.	2
Total number of connection points	2
Total number of potentials	2
Number of connection types	1
Number of levels	1

Physical 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
Insulation 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
Weight	0.5 g

Environmental requirements

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






Product Group	33 (Printed Circuit)
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Subject to changes. Please also observe the further product documentation!

Packaging type	BOX
Country of origin	CH
GTIN	4055143541244
Customs tariff number	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
	CCA DEKRA Certification B.V.	EN 60947-7-4	NTR NL 7843
	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
	KEMA/KEUR DEKRA Certification B.V.	EN 60947-7-4	71-114208



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

Compatible products





tools

	Item no.: 2060-189 Operating tool; made of insulating material; for 2060 Series; white	www.wago.com/2060-189
	Item no.: 206-860 Operating tool; for 2060 Series; multicoloured	www.wago.com/206-860

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
	Item no.: 2060-952/028-004 Board-to-Board Link; Pin spacing 4 mm; 2-pole; Length: 28 mm; black	www.wago.com/2060-952/028-004

ferrule

	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.: 216-132 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

Downloads

Documentation

Additional Information

Technical explanations	2019 Apr 3	pdf 2.0 MB	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](#)

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CAE data

ZUKEN Portal 2060-452/998-404

[URL](#)

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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2060-452/998-404

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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

Installation Notes

Conductor termination



Insert solid conductors via push-in termination.

Conductor termination

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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!