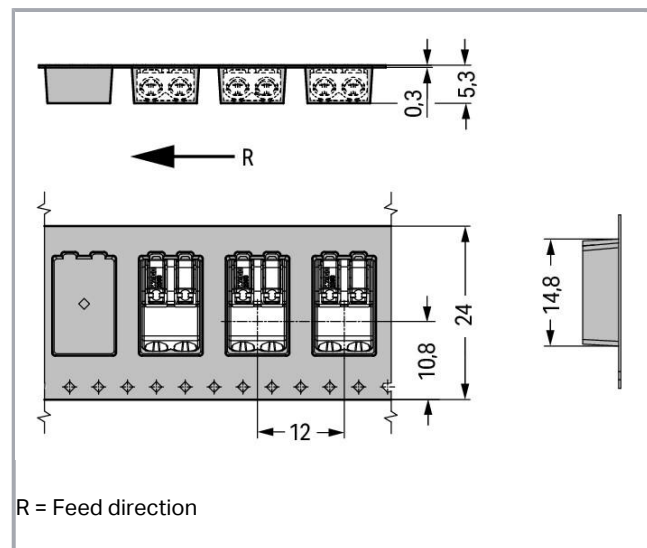
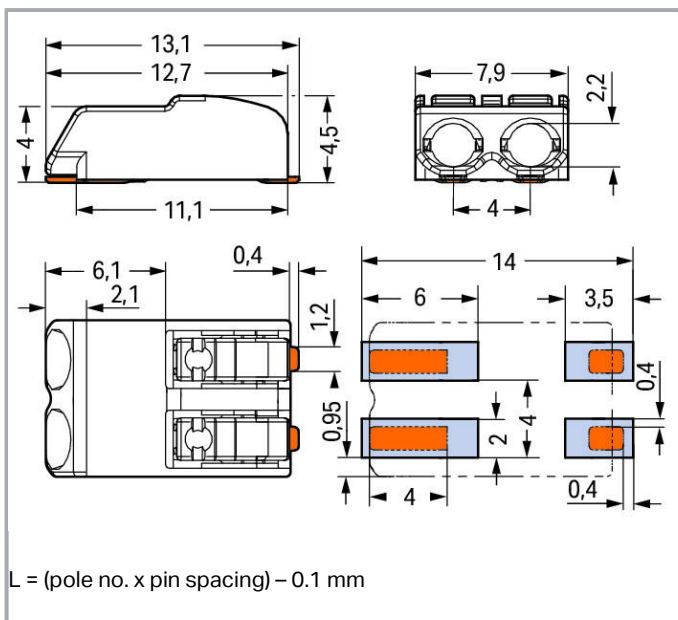
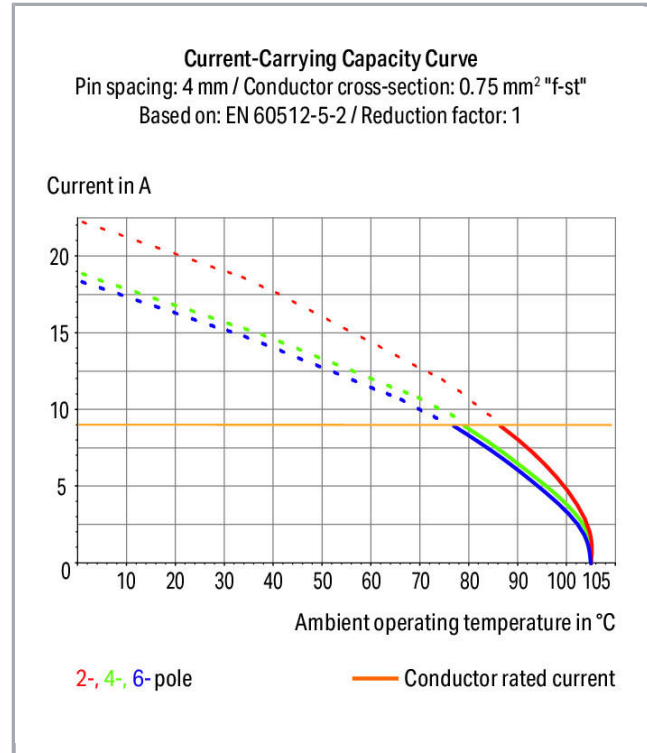
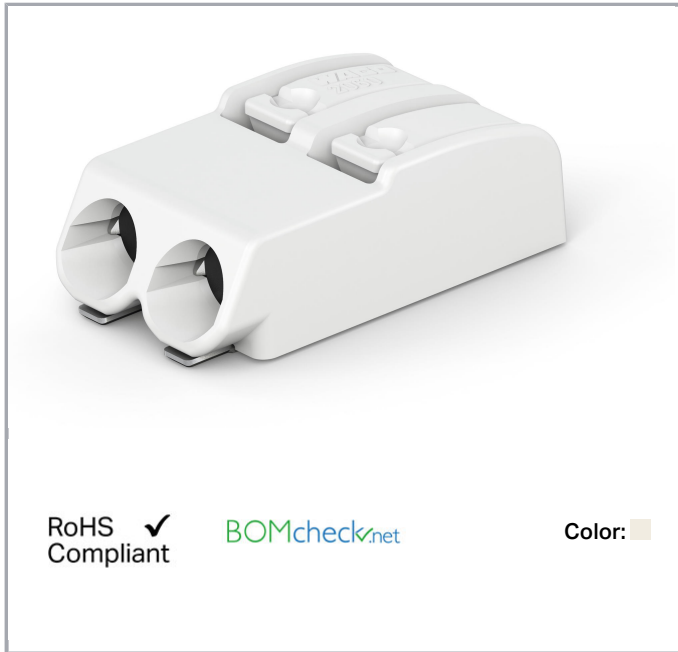


Data sheet | Item number: 2060-452/998-404

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



[www.wago.com/2060-452/998-404](http://www.wago.com/2060-452/998-404)





### Item description

- SMD PCB terminal blocks with Push-in CAGE CLAMP<sup>®</sup> 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:

#### 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)

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

### 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 <sup>2</sup> / 24 ... 18 AWG
Fine-stranded conductor	0.2 ... 0.75 mm <sup>2</sup> / 24 ... 18 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 ... 0.34 mm <sup>2</sup>
Fine-stranded conductor with ferrule without plastic collar	0.25 ... 0.34 mm <sup>2</sup>
Strip length	7 ... 9 mm / 0.28 ... 0.35 inch
Conductor entry angle to the PCB	0°
Total number of connection points	2
Total number of potentials	2
Number of connection types	1
Number of levels	1
No. of poles	2

### 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
-------------	-----

### 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
Weight	0.518 g

## Environmental Requirements

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

## 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




### UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	cURus Underwriters Laboratories Inc.	UL 1977	E45171-20111005



## Compatible products

### General accessories

	<b>Item no.: 2060-952/028-000</b> Board-to-Board Link; Pin spacing 4 mm; 2-pole; Length: 28 mm; white	<a href="http://www.wago.com/2060-952/028-000">www.wago.com/2060-952/028-000</a>
<b>ferrule</b>		
	<b>Item no.: 216-131</b> Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; uninsulated; electro-tin plated	<a href="http://www.wago.com/216-131">www.wago.com/216-131</a>
	<b>Item no.: 216-132</b> Ferrule; Sleeve for 0.34 mm <sup>2</sup> / AWG 24; uninsulated; electro-tin plated	<a href="http://www.wago.com/216-132">www.wago.com/216-132</a>
	<b>Item no.: 216-301</b> Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; insulated; electro-tin plated; yellow	<a href="http://www.wago.com/216-301">www.wago.com/216-301</a>
	<b>Item no.: 216-302</b> Ferrule; Sleeve for 0.34 mm <sup>2</sup> / 22 AWG; insulated; electro-tin plated; green	<a href="http://www.wago.com/216-302">www.wago.com/216-302</a>
<b>tools</b>		
	<b>Item no.: 2060-189</b> Operating tool; made of insulating material; for 2060 Series	<a href="http://www.wago.com/2060-189">www.wago.com/2060-189</a>
	<b>Item no.: 206-860</b> Operating tool; for 2060 Series	<a href="http://www.wago.com/206-860">www.wago.com/206-860</a>

## Downloads

### Documentation

#### Additional Information

Technical explanations	Apr 3, 2019	pdf 3.6 MB	Download
------------------------	-------------	---------------	----------

### CAD/CAE-Data

#### CAD data

3D Download 2060-452/998-404	URL	Download
------------------------------	-----	----------



Subject to changes.

---

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

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