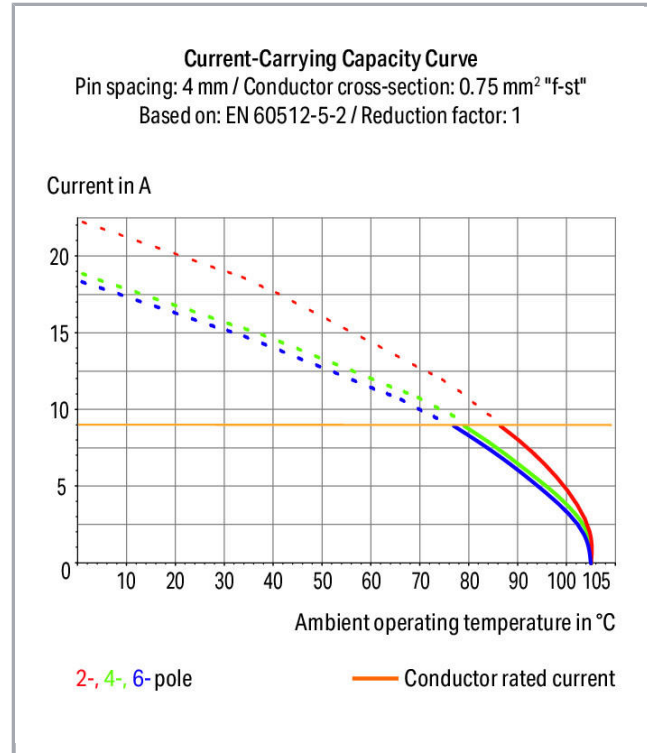
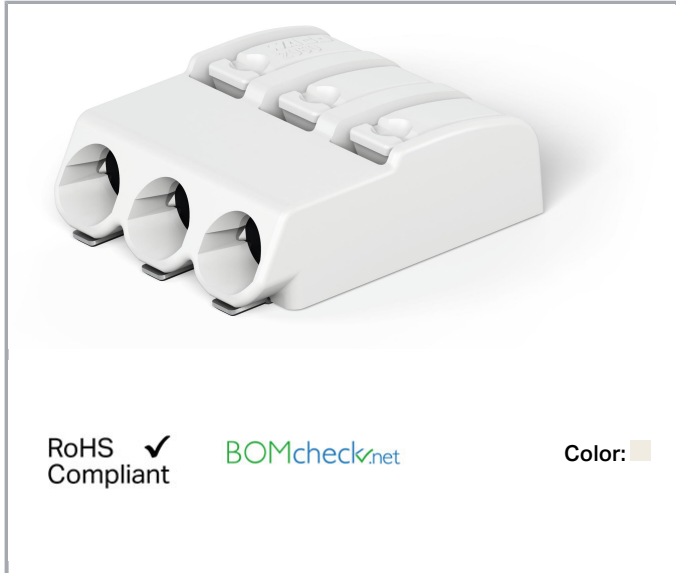


**Data sheet | Item number: 2060-453/998-404**

SMD PCB terminal block; push-button; 0.75 mm<sup>2</sup>; Pin spacing 4 mm; 3-pole;  
Push-in CAGE CLAMP®; in tape-and-reel packaging; 0,75 mm<sup>2</sup>; white



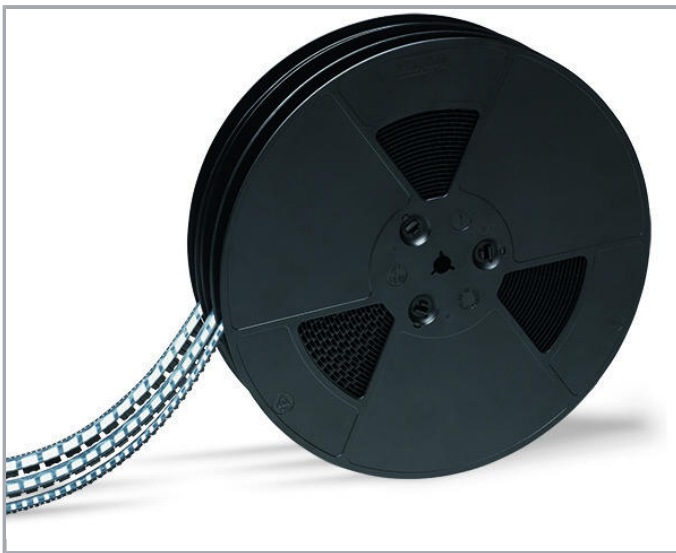
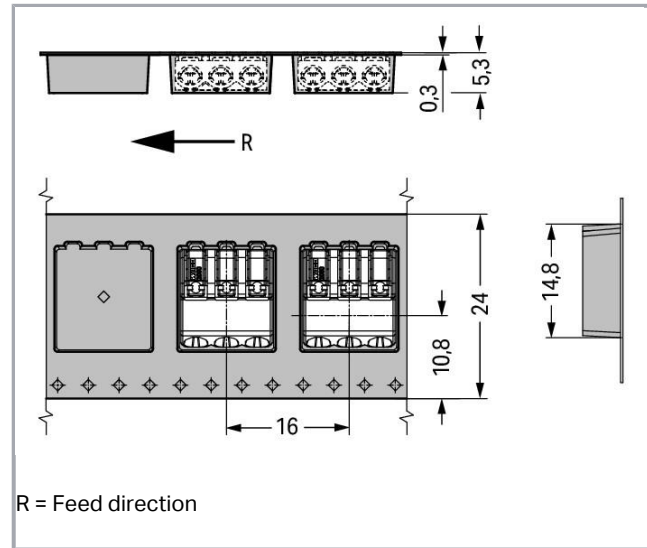
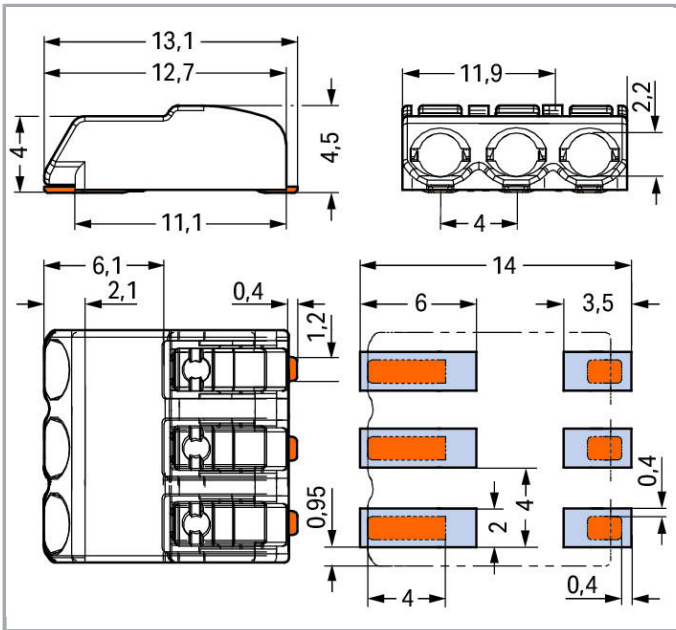
[www.wago.com/2060-453/998-404](http://www.wago.com/2060-453/998-404)



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

## 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°
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	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

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

Weight	1.1 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	4055143135085
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
	CCA DEKRA Certification B.V.	EN 60998	NTR NL 7725
	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

	<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>

## General accessories

<b>Item no.: 2060-953/028-000</b> Board-to-Board Link; Pin spacing 4 mm; 3-pole; Length: 28 mm; white	<a href="http://www.wago.com/2060-953/028-000">www.wago.com/2060-953/028-000</a>
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## ferrule

	<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>

## 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

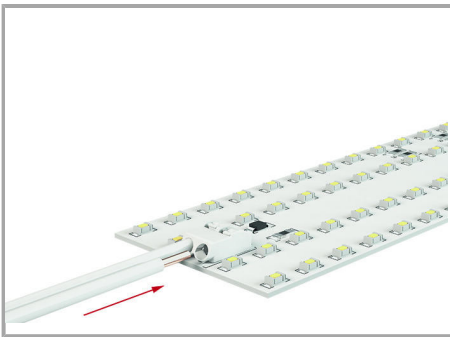
2D/3D Models 2060-453/998-404

[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!