

Data sheet | Item number: 2061-623/998-404

SMD PCB terminal block; push-button; 1.5 mm<sup>2</sup>; Pin spacing 6 mm; 3-pole;  
Push-in CAGE CLAMP®; in tape-and-reel packaging; 1,50 mm<sup>2</sup>; black



[www.wago.com/2061-623/998-404](http://www.wago.com/2061-623/998-404)



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

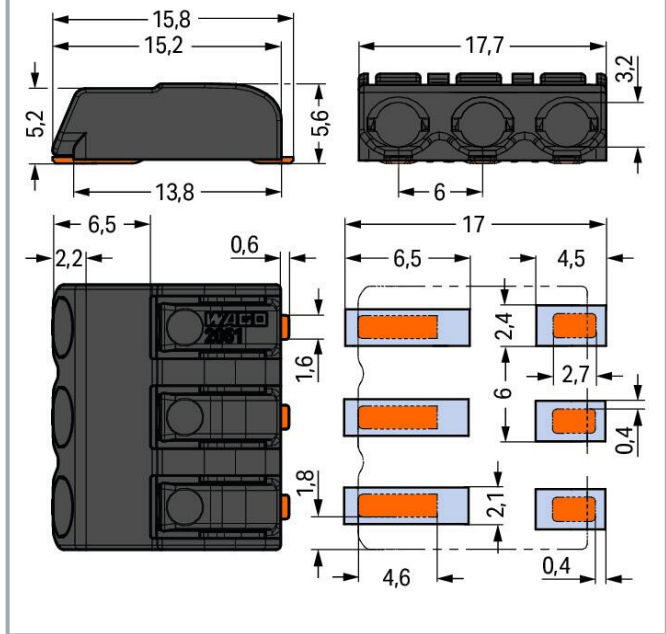
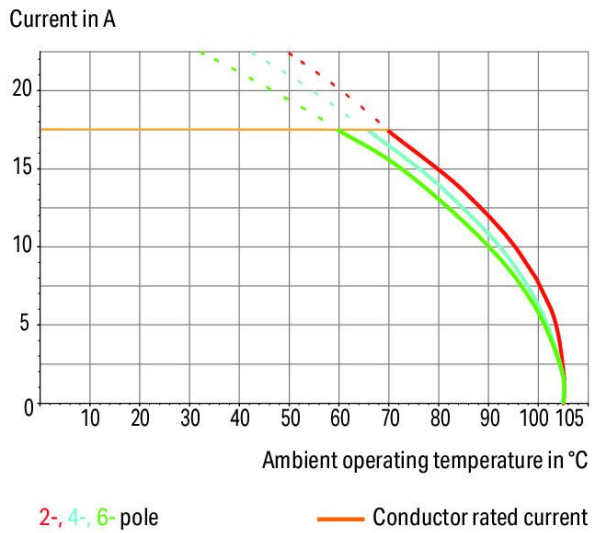
WAGO GmbH & Co. KG  
Hansastr. 27  
32423 Minden  
Phone: +49571 887-0 | Fax: +49571 887-169  
Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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



**Current-Carrying Capacity Curve**

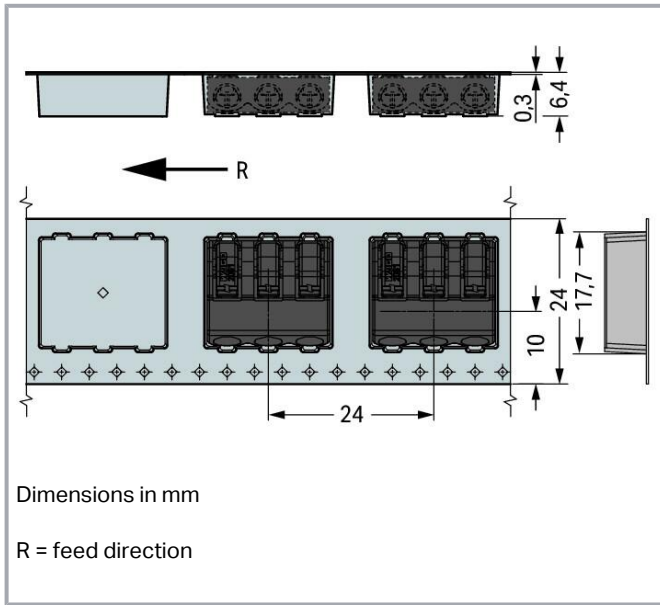
Pin spacing: 6 mm / Conductor cross-section: 1.5 mm<sup>2</sup> "e"  
Based on: EN 60512-5-2 / Reduction factor: 1



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

WAGO 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.



## Item description

- SMD PCB terminal blocks with Push-in CAGE CLAMP<sup>®</sup> connection technology and push-buttons
- Just 5.6 mm tall
- Push-in termination of solid and ferruled conductors
- Push-button for easy connection and disconnection of all conductor types
- Available in tape-and-reel packaging for automated assembly

## Data

### Notes

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

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



Depending on reflow soldering temperatures and times, color deviations may occur. These deviations will have no impact on functionality.

#### Recommendation

Recommendation for stencil:

150 µm material thickness; Pattern layout identical to solder pad layout

## Electrical data

### Ratings per IEC/EN

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	250 V
Rated impulse voltage (III/3)	4 kV
Rated voltage (III/2)	320 V
Rated impulse voltage (III/2)	4 kV
Nominal voltage (II/2)	630 V
Rated surge voltage (II/2)	4 kV
Rated current	17.5 A
Legend (ratings)	(III / 2) ≙ Overvoltage category III / Pollution degree 2

### Ratings per UL 1059

Approvals per	UL 1059
Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	10 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	10 A

## Connection data

Connection points	3
Total number of potentials	3
Number of connection types	1
Number of levels	1

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



## Connection 1

Connection technology	Push-in CAGE CLAMP®
Actuation type	Push-button
Solid conductor	0.25 ... 1.5 mm <sup>2</sup> / 20 ... 16 AWG
Fine-stranded conductor	0.5 ... 1.5 mm <sup>2</sup> / 20 ... 16 AWG
Fine-stranded conductor; with insulated ferrule	0.5 ... 0.75 mm <sup>2</sup>
Fine-stranded conductor; with uninsulated ferrule	0.5 ... 0.75 mm <sup>2</sup>
Strip length	7 ... 10 mm / 0.28 ... 0.39 inches
Conductor connection direction to PCB	0°
Pole number	3

## Physical data

Pin spacing	6 mm / 0.24 inches
Width	17.7 mm / 0.697 inches
Height	5.6 mm / 0.22 inches
Height from the surface	5.6 mm / 0.22 inches
Depth	15.8 mm / 0.622 inches
Reel diameter of tape-and-reel packaging	330 mm
Tape width	24 mm

## Plug-in connection

Plugging without loss of pin spacing	Yes
--------------------------------------	-----

## PCB contact

PCB contact	SMD
Solder pin arrangement	Over the entire terminal strip (in-line)
Number of solder pins per potential	2

## Material Data

Note (material data)	Information on material specifications can be found here
Color	black
Material group	I
Insulation material	Polyphthalamide (PPA GF)
Flammability class per UL94	V0

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

WAGO 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.



Contact material	Copper alloy
Contact plating	Tin
Weight	1.6 g
MSL gemäß J-STD 020D	1

**Environmental requirements**

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

**Commercial data**




eCl@ss 10.0	27-14-11-06
eCl@ss 9.0	27-14-11-06
ETIM 8.0	EC001284
ETIM 7.0	EC001284
PU (SPU)	4050 (450) pcs
Packaging type	box
Country of origin	CN
GTIN	4055143251105
Customs tariff number	85369010000

**Environmental Product Compliance**

RoHS Compliance Status	Compliant, No Exemption
------------------------	-------------------------

**Approvals / Certificates**

## General approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 60947-7-4	NTR NL-7773
	CCA DEKRA Certification B.V.	EN 60838	NTR NL-7721
	CCA DEKRA Certification B.V.	EN 60947-7-4	71-110254

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



cURus  
Underwriters Laboratories Inc.

UL 1059

E45172



KEMA/KEUR  
DEKRA Certification B.V.

EN 60838

71-  
106232

## Counterpart



**Item no.2061-903**  
Board-to-Board Link; Pin spacing 6 mm; 3-pole; Length: 30 mm; white










[www.wago.com/2061-903](http://www.wago.com/2061-903)

**Item no.2061-903/034-000**  
Board-to-Board Link; Pin spacing 6 mm; 3-pole; Length: 34 mm; white

[www.wago.com/2061-903/034-000](http://www.wago.com/2061-903/034-000)

## Optional accessories

### Ferrule

Ferrule		
	<b>Item no.: 216-101</b> Ferrule; Sleeve for 0.5 mm <sup>2</sup> / AWG 22; uninsulated; electro-tin plated; silver-colored	<a href="http://www.wago.com/216-101">www.wago.com/216-101</a>
	<b>Item no.: 216-102</b> Ferrule; Sleeve for 0.75 mm <sup>2</sup> / AWG 20; uninsulated; electro-tin plated; silver-colored	<a href="http://www.wago.com/216-102">www.wago.com/216-102</a>
	<b>Item no.: 216-142</b> Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92	<a href="http://www.wago.com/216-142">www.wago.com/216-142</a>
	<b>Item no.: 216-141</b> Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92	<a href="http://www.wago.com/216-141">www.wago.com/216-141</a>
	<b>Item no.: 216-202</b> Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; gray	<a href="http://www.wago.com/216-202">www.wago.com/216-202</a>
	<b>Item no.: 216-201</b> Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; insulated; electro-tin plated; white	<a href="http://www.wago.com/216-201">www.wago.com/216-201</a>
	<b>Item no.: 216-241</b> Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white	<a href="http://www.wago.com/216-241">www.wago.com/216-241</a>
	<b>Item no.: 216-242</b> Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray	<a href="http://www.wago.com/216-242">www.wago.com/216-242</a>
	<b>Item no.: 216-262</b> Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight	<a href="http://www.wago.com/216-262">www.wago.com/216-262</a>

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

WAGO 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.

crimped; acc. to DIN 46228, Part 4/09.90; gray

#### Tool

##### Operating tool



**Item no.: 2061-190**

Operating tool; made of insulating material

[www.wago.com/2061-190](http://www.wago.com/2061-190)



**Item no.: 206-866**

Operating tool; for 2061 Series

[www.wago.com/206-866](http://www.wago.com/206-866)

#### Board-to-board link

##### Board-to-board link



**Item no.: 2061-903**

Board-to-Board Link; Pin spacing 6 mm; 3-pole; Length: 30 mm; white

[www.wago.com/2061-903](http://www.wago.com/2061-903)



**Item no.: 2061-903/034-000**

Board-to-Board Link; Pin spacing 6 mm; 3-pole; Length: 34 mm; white

[www.wago.com/2061-903/034-000](http://www.wago.com/2061-903/034-000)

#### Downloads

##### Documentation

##### Additional Information

Technical Section	2019 Apr 3	pdf	Download
Technical explanations		2.0 MB	

#### CAD/CAE-Data

##### CAD data

2D/3D Models 2061-623/998-404	URL	Download
-------------------------------	-----	----------

##### PCB Design

Symbol and Footprint 2061-623/998-404	URL	Download
---------------------------------------	-----	----------

CAX data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.

##### Supported formats:

- Accel EDA 14 & 15
- Altium 6 to current version
- Cadence Allegro

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





- DesignSpark
- Eagle Libraries
- KiCad
- Mentor Graphics BoardStation
- Mentor Graphics Design Architect
- Mentor Graphics Design Expedition 99 and 2000
- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

---

#### CAE data

ZUKEN Portal 2061-623/998-404	<a href="#">URL</a>	<a href="#">Download</a>
-------------------------------	---------------------	--------------------------

---

## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 2061-623/998-404	<a href="#">URL</a>	<a href="#">Download</a>
---	---------------------	--------------------------

SMD PCB terminal block; push-button; 1.5 mm<sup>2</sup>; Pin spacing 6 mm; 3-pole; Push-in CAGE CLAMP®; in tape-and-reel packaging; 1,50 mm<sup>2</sup>; black

---

## Installation Notes

### Conductor termination

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

---

WAGO 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.



Inserting solid conductors via push-in termination.

#### Conductor termination



Easy conductor removal, e.g., via operating tool (206-861)

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