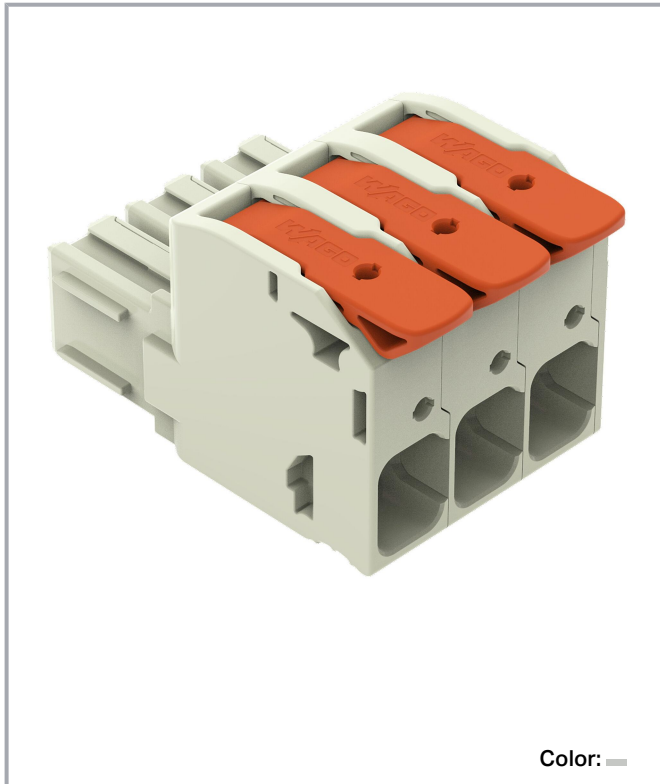


**Data sheet | Item number: 832-1103**

1-conductor female connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 3-pole; 100% protected against mismatching; Silver-plated contacts; 16,00 mm²; light gray

[www.wago.com/832-1103](http://www.wago.com/832-1103)



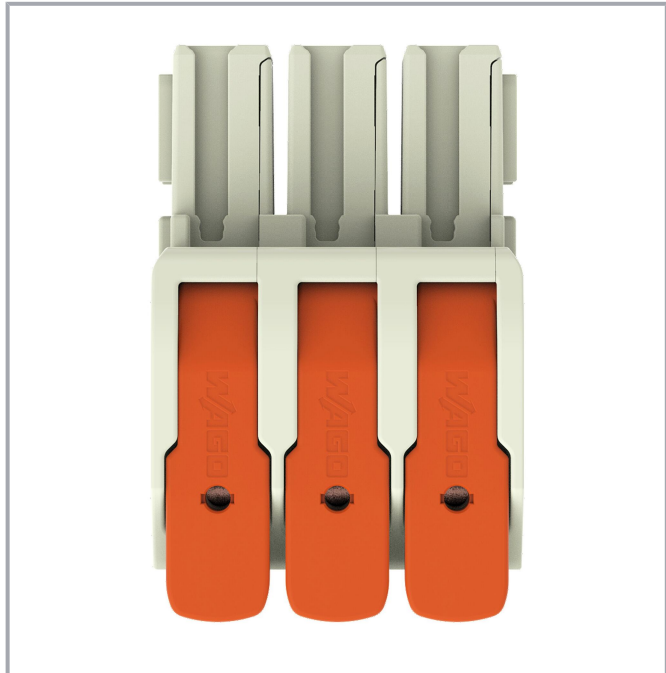
Color: —



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

WAGO GmbH & Co. KG  
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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.

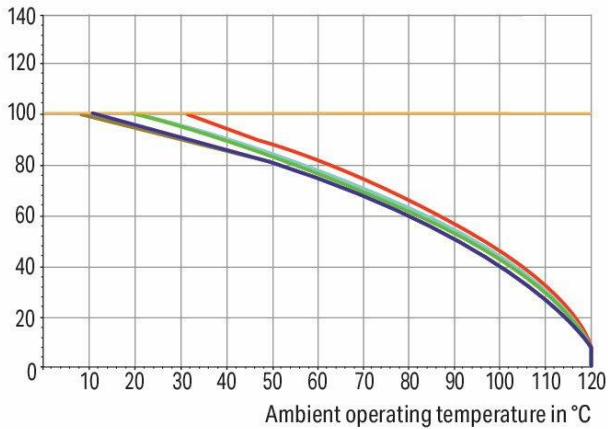


**Derating Curve**

1-conductor female connector (832-1102) with  
THT male header (832-3622)

Pin spacing: 10.16 mm / Conductor cross-section: 25 mm<sup>2</sup> "f-st"  
Based on: EN 60512-5-2 / Reduction factor: 0.8

Current in A



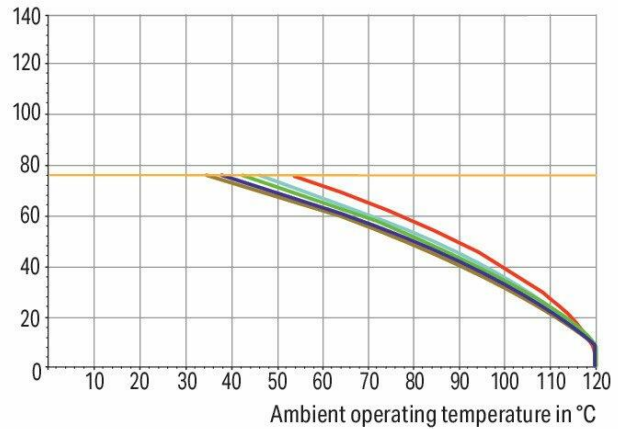
2-, 3-, 4-, 5-, 6- pole      ——— Conductor rated current

**Derating Curve**

1-conductor female connector (832-1102) with  
THT male header (832-3622)

Pin spacing: 10.16 mm / Conductor cross-section: 16 mm<sup>2</sup> "f-st"  
Based on: EN 60512-5-2 / Reduction factor: 0.8

Current in A

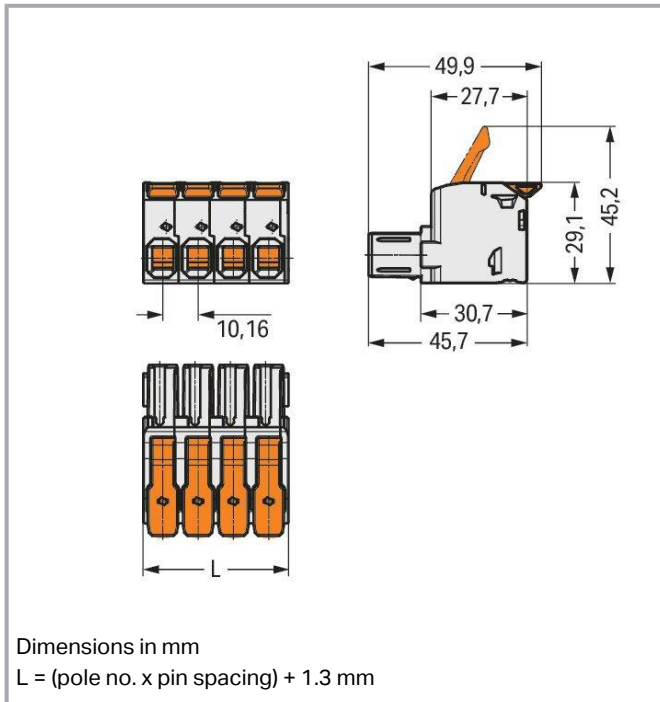


2-, 3-, 4-, 5-, 6- pole      ——— Conductor rated current

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

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### Item description

- Intuitive and tool-free lever actuation
- Universal connection for all conductor types
- Push-in termination of solid or ferruled conductors
- Test slot 0° and 90° to conductor entry
- 100% protected against mismatching
- Coding option available

### Data

#### Notes

Safety information

The *MCS – MULTI CONNECTION SYSTEM* includes connectors without breaking capacity in accordance with DIN EN 61984. When used as intended, these connectors must not be connected /disconnected when live or under load. When used as intended, these connectors must not be connected/disconnected when live or under load. The circuit design should ensure header pins, which can be touched, are not live when unmated.

Variants:

Other pole numbers

Other versions (or variants) can be requested from WAGO Sales or configured at <https://configurator.wago.com/>.

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

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## Electrical data

### Ratings per IEC/EN

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	1000 V
Rated impulse voltage (III/3)	8 kV
Rated voltage (III/2)	1000 V
Rated impulse voltage (III/2)	8 kV
Nominal voltage (II/2)	1000 V
Rated surge voltage (II/2)	8 kV
Rated current	76 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)	600 V
Rated current UL (Use Group B)	66 A
Rated voltage UL (Use Group C)	600 V
Rated current UL (Use Group C)	66 A

### Ratings per UL 1977

Rated voltage (UL 1977)	600 V
Rated current UL 1977	85 A

### Ratings per CSA

Approvals per	CSA
Rated voltage CSA (Use Group B)	600 V
Rated current CSA (Use Group B)	66 A
Rated voltage CSA (Use Group C)	600 V
Rated current CSA (Use Group C)	66 A

## Connection data

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

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



Number of levels	1
------------------	---

### Connection 1

Connection technology	Push-in CAGE CLAMP®
Actuation type	Lever
Solid conductor	0.75 ... 16 mm <sup>2</sup> / 18 ... 4 AWG
Fine-stranded conductor	0.75 ... 25 mm <sup>2</sup> / 18 ... 4 AWG
Fine-stranded conductor; with insulated ferrule	0.75 ... 16 mm <sup>2</sup>
Fine-stranded conductor; with uninsulated ferrule	0.75 ... 16 mm <sup>2</sup>
Strip length	18 ... 20 mm / 0.71 ... 0.79 inches
Pole number	3
Conductor entry direction to mating direction	0°

### Physical data

Pin spacing	10.16 mm / 0.4 inches
Width	31.78 mm / 1.251 inches
Height	29.1 mm / 1.146 inches
Depth	49.8 mm / 1.961 inches

### Mechanical Data

Variable coding	Yes
Anti-rotation protection	Yes

### Plug-in connection

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for conductor
Mismating protection	Yes
Plugging without loss of pin spacing	No
Locking of plug-in connection	none

### Material Data

Note (material data)	Information on material specifications can be found here
Color	light gray
Material group	I

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

Insulation material	Polybutylene terephthalate (PBT)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Material of the additional spring for socket contact	Chrome-nickel spring steel (CrNi)
Contact material	Electrolytic copper (E <sub>Cu</sub> )
Contact plating	Silver
Fire load	0.708 MJ
Actuator color	orange
Weight	40.6 g

### Environmental requirements

Limit temperature range	-60 ... +120 °C
Processing temperature	-35 ... +60 °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)	45 pcs
Packaging type	box
Country of origin	DE
GTIN	4055143921169
Customs tariff number	85366990990

### Environmental Product Compliance



RoHS Compliance Status	Compliant, No Exemption
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### Approvals / Certificates







#### General approvals

Logo	Approval	Additional Approval Text	Certificate name
	CB DEKRA Certification B.V.	IEC 61984	NL-53084
	CSA DEKRA Certification B.V.	C22.2	70180346

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

	<b>KEMA/KEUR</b> DEKRA Certification B.V.	EN 61984	71- 104731
	<b>UL</b> Underwriters Laboratories Inc.	C22.2 No. 158	E45172

## Counterpart

	<b>Item no.832-1203</b> 1-conductor male connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 3-pole; 100% protected against mismatching; Silver-plated contacts; 16,00 mm²; light gray	<a href="http://www.wago.com/832-1203">www.wago.com/832-1203</a>
	<b>Item no.832-3603</b> THT male header; 1.2 x 1.2 mm solder pin; straight; 100% protected against mismatching; Silver-plated contacts; Pin spacing 10.16 mm; 3-pole; light gray	<a href="http://www.wago.com/832-3603">www.wago.com/832-3603</a>
	<b>Item no.832-3623</b> THT male header; 1.2 x 1.2 mm solder pin; angled; 100% protected against mismatching; Silver-plated contacts; Pin spacing 10.16 mm; 3-pole; light gray	<a href="http://www.wago.com/832-3623">www.wago.com/832-3623</a>
	<b>Item no.832-3643</b> THT male header; 1.2 x 1.2 mm solder pin; angled; 100% protected against mismatching; Silver-plated contacts; Pin spacing 10.16 mm; 3-pole; light gray	<a href="http://www.wago.com/832-3643">www.wago.com/832-3643</a>
	<b>Item no.832-1203/306-000</b> 1-conductor male connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 3-pole; 100% protected against mismatching; DIN-35 rail/panel mounting; Silver-plated contacts; 16,00 mm²; light gray	<a href="http://www.wago.com/832-1203/306-000">www.wago.com/832-1203/306-000</a>
	<b>Item no.832-1203/333-000</b> 1-conductor male connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 3-pole; 100% protected against mismatching; Strain relief plate; Silver-plated contacts; 16,00 mm²; light gray	<a href="http://www.wago.com/832-1203/333-000">www.wago.com/832-1203/333-000</a>

## Optional accessories

<b>Coding</b>	Coding
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Subject to changes. Please also observe the further product documentation!



**Item no.: 832-500**  
Coding key carrier; orange

[www.wago.com/832-500](http://www.wago.com/832-500)

### Strain relief

Strain relief plate



**Item no.: 832-543**  
center locking with strain relief; for female and male connectors; 30.4 mm wide; 2 parts; Pin spacing 10.16 mm; 3-pole; orange [www.wago.com/832-543](http://www.wago.com/832-543)



**Item no.: 832-533**  
Strain relief plate; for female and male connectors; 30.4 mm wide; 1 part; Pin spacing 10.16 mm; 3-pole; light gray [www.wago.com/832-533](http://www.wago.com/832-533)

### Mounting adapter

Mounting accessories



**Item no.: 832-1038**  
Mounting adapter; for DIN-35 rail/panel mounting; 3 parts; Pin spacing 10.16 mm; light gray [www.wago.com/832-1038](http://www.wago.com/832-1038)

### Locking levers

Strain relief plate



**Item no.: 832-542**  
center locking with strain relief; for female and male connectors; 20.2 mm wide; 2 parts; Pin spacing 10.16 mm; 2-pole; orange [www.wago.com/832-542](http://www.wago.com/832-542)

Locking system



**Item no.: 832-522**  
center locking; for female connectors; for even pole numbers; 1 part; orange [www.wago.com/832-522](http://www.wago.com/832-522)



**Item no.: 832-523**  
center locking; for female connectors; for odd pole numbers; 1 part; orange [www.wago.com/832-523](http://www.wago.com/832-523)

### Ferrule

Ferrule



**Item no.: 216-210**  
Ferrule; Sleeve for 16 mm<sup>2</sup> / AWG 6; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue [www.wago.com/216-210](http://www.wago.com/216-210)



**Item no.: 216-284**  
Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black [www.wago.com/216-284](http://www.wago.com/216-284)



**Item no.: 216-286**  
Ferrule; Sleeve for 2.5 mm<sup>2</sup> / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue [www.wago.com/216-286](http://www.wago.com/216-286)



**Item no.: 216-287**  
Ferrule; Sleeve for 4 mm<sup>2</sup> / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; [www.wago.com/216-287](http://www.wago.com/216-287)

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



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

**Item no.: 216-288**

Ferrule; Sleeve for 6 mm<sup>2</sup> / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; [www.wago.com/216-288](http://www.wago.com/216-288)  
acc. to DIN 46228, Part 4/09.90; yellow

**Item no.: 216-289**

Ferrule; Sleeve for 10 mm<sup>2</sup> / AWG 8; insulated; electro-tin plated; electrolytic copper; gastight crimped; [www.wago.com/216-289](http://www.wago.com/216-289)  
acc. to DIN 46228, Part 4/09.90; red

**Downloads****Documentation****Additional Information**

Technical Section	2019 Apr 3	pdf	Download
Technical explanations		2.0 MB	

**CAD/CAE-Data****CAD data**

2D/3D Models 832-1103	URL	Download
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**PCB Design**

Symbol and Footprint 832-1103	URL	Download
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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
- 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

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

- 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

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#### CAE data

ZUKEN Portal 832-1103	<a href="#">URL</a>	<a href="#">Download</a>
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## Environmental Product Compliance

### Compliance Search

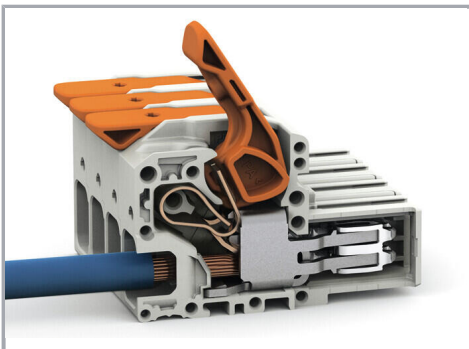
Environmental Product Compliance 832-1103	<a href="#">URL</a>	<a href="#">Download</a>
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1-conductor female connector; lever; Push-in CAGE CLAMP®; 16 mm<sup>2</sup>; Pin spacing 10.16 mm; 3-pole; 100% protected against mismatching; Silver-plated contacts; 16,00 mm<sup>2</sup>; light gray

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## Installation Notes

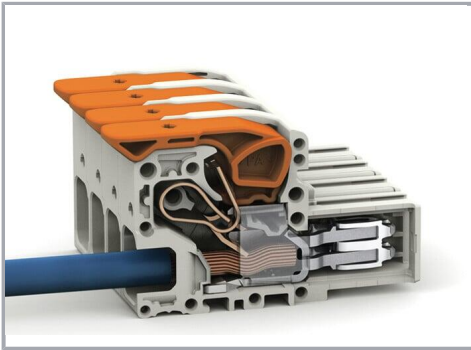
### Conductor termination



Insert fine-stranded conductors – and remove all conductors – via operating tool.

### Conductor termination

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



Fine-stranded wires, connected

## Product family

*MCS* MAXI 16

[Show all products from the family](#)

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