

**Data sheet | Item number: 832-1102**

1-conductor female connector; lever; Push-in CAGE CLAMP®; 16 mm<sup>2</sup>; Pin spacing 10.16 mm; 2-pole; 100% protected against mismatching; Silver-plated contacts; 16,00 mm<sup>2</sup>; light gray

[www.wago.com/832-1102](http://www.wago.com/832-1102)



Color:



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.



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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

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## 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/>.

## 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) $\triangleq$ Overvoltage category III / Pollution degree 2

### Ratings per UL

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

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## 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	2
Total number of potentials	2
Number of connection types	1
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	2
Conductor entry direction to mating direction	0°

## Physical data

Pin spacing	10.16 mm / 0.4 inches
Width	21.62 mm / 0.851 inches
Height	29.1 mm / 1.146 inches
Depth	49.8 mm / 1.961 inches

## Mechanical Data

Variable coding	Yes
Anti-rotation protection	Yes

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



## Plug-in connection

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for conductor
Mismatching 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
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	0.492 MJ
Actuator color	orange
Weight	27.5 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)	60 pcs
Packaging type	box
Country of origin	PL

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GTIN	4066966335149
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
	<b>CB</b> DEKRA Certification B.V.	IEC 61984	NL-53084
	<b>CSA</b> CSA Group	C22.2	70180346
	<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.832-1202</b> 1-conductor male connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 2-pole; 100% protected against mismatching; Silver-plated contacts; 16,00 mm²; light gray	<a href="http://www.wago.com/832-1202">www.wago.com/832-1202</a>
<b>Item no.832-3622</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; 2-pole; light gray	<a href="http://www.wago.com/832-3622">www.wago.com/832-3622</a>
<b>Item no.832-3642</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; 2-pole; light gray	<a href="http://www.wago.com/832-3642">www.wago.com/832-3642</a>
<b>Item no.832-3602</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; 2-pole; light gray	<a href="http://www.wago.com/832-3602">www.wago.com/832-3602</a>
<b>Item no.832-1202/306-000</b> 1-conductor male connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 2-pole; 100% protected against mismatching; DIN-35 rail/panel mounting; Silver-plated contacts; 16,00 mm²; light gray	<a href="http://www.wago.com/832-1202/306-000">www.wago.com/832-1202/306-000</a>
<b>Item no.832-1202/332-000</b> 1-conductor male connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 2-pole; 100% protected against mismatching; Strain relief plate; Silver-plated contacts; 16,00 mm²; light gray	<a href="http://www.wago.com/832-1202/332-000">www.wago.com/832-1202/332-000</a>

## Optional accessories

### Locking levers

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## 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)

## 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.: 216-286**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; acc. to DIN 46228, Part 4/09.90; gray [www.wago.com/216-287](http://www.wago.com/216-287)**Item no.: 216-288**Ferrule; Sleeve for 6 mm<sup>2</sup> / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow [www.wago.com/216-288](http://www.wago.com/216-288)**Item no.: 216-289**Ferrule; Sleeve for 10 mm<sup>2</sup> / AWG 8; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red [www.wago.com/216-289](http://www.wago.com/216-289)

## Downloads

## Documentation

## Additional Information

2019 年4月3日

pdf  
2.0 MB

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## CAD/CAE-Data

## PCB Design

## Symbol and Footprint 832-1102

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
- DesignSpark
- Eagle Libraries
- KiCad

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- 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

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#### CAE data

ZUKEN Portal 832-1102	<a href="#">URL</a>	<a href="#">Download</a>
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#### CAD data

2D/3D Models 832-1102	<a href="#">URL</a>	<a href="#">Download</a>
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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 832-1102	<a href="#">URL</a>	<a href="#">Download</a>
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## Installation Notes

### Conductor termination

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

#### Conductor termination



Fine-stranded wires, connected

#### Product family

*<i>MCS</i> MAXI 16*

[Show all products from the family](#)

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