

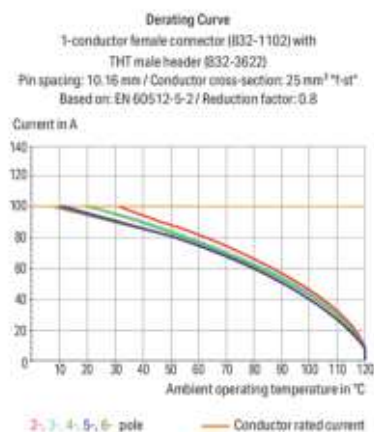
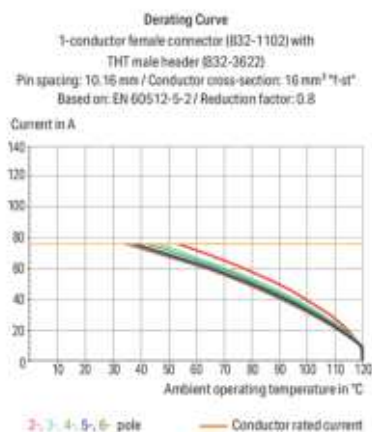
Data Sheet | Item Number: 832-1102

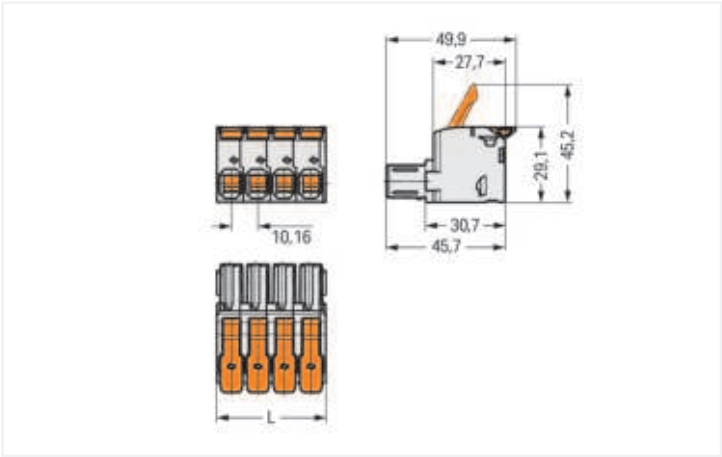
1-conductor female connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 2-pole; 100% protected against mismating; Silver-plated contacts; 16,00 mm²; light gray

<https://www.wago.com/832-1102>



Color: ■ light gray





Dimensions in mm
L = (pole no. x pin spacing) + 1.3 mm

Female connector, 832 Series, with 10.16 mm pin spacing

Fault-free electrical installations are guaranteed with this female connector (item number 832-1102). Conductors can only be connected to this female connector if their strip length is between 18 and 20 mm . Featuring one conductor terminal along with Push-in CAGE CLAMP®, this connector delivers reliable performance. Push-in CAGE CLAMP® connection technology is ideal for connecting all conductor types. It allows direct insertion of both solid and fine-stranded conductors with ferrules without needing to use any tools—all thanks to its pluggable design. The dimensions are (21.62 x 29.1 x 49.8) mm (width x height x depth). Depending on the type of conductor, this female connector is ideal for conductor cross sections ranging from 0.75 mm² to 16 mm².

Silver is used for coating the contact surfaces.

- Pin spacing: 10,16 mm
- Enables simplified wiring in two actuation directions for CAGE CLAMP® variants
- Compact sizes
- Actuation via lever
- 2 connection points

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/ .
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Electrical data							
Ratings per		IEC/EN 60664-1		Approvals per		UL 1059	
Overvoltage category	III	III	II	Use group	B	C	D
Pollution degree	3	2	2	Rated voltage	600 V	600 V	-
Nominal voltage	1000 V	1000 V	1000 V	Rated current	66 A	66 A	-
Rated impulse withstand voltage	8 kV	8 kV	8 kV				
Rated current	76 A	76 A	76 A				

Ratings	
Approvals per	UL 1977
Rated voltage	600 V
Rated current	85 A

Approvals per		CSA		
Use group	B	C	D	
Rated voltage	600 V	600 V	-	
Rated current	66 A	66 A	-	

Connection Data			
Clamping units	2	Connection 1	
Total number of potentials	2		
Number of connection types	1	Connection technology	Push-in CAGE CLAMP®
Number of levels	1	Actuation type	Lever
		Solid conductor	0.75 ... 16 mm² / 18 ... 4 AWG
		Fine-stranded conductor	0.75 ... 25 mm² / 18 ... 4 AWG
		Fine-stranded conductor; with insulated fer- rule	0.75 ... 16 mm²
		Fine-stranded conductor; with uninsulated ferrule	0.75 ... 16 mm²
		Strip length	18 ... 20 mm / 0.71 ... 0.79 inches
		Pole number	2
		Conductor entry direction to mating direc- tion	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

Plug-in connection	
Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for conductor
Mismating protection	Yes

Material data	
Note (material data)	Information on material specifications can be found here
Color	light gray
Material group	I
Insulation material (main housing)	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 _{Cu})
Contact Plating	Silver
Fire load	0.338 MJ
Actuator color	orange
Weight	27.5 g



Environmental requirements	
Limit temperature range	-60 ... +120 °C
Processing temperature	-35 ... +60 °C

Commercial data	
PU (SPU)	24 pcs
Packaging type	Box
Country of origin	PL
GTIN	4066966821444
Customs tariff number	85366990990

Product Classification	
UNSPSC	39121409
eCl@ss 10.0	27-14-11-06
eCl@ss 9.0	27-14-11-06
ETIM 9.0	EC001284
ETIM 10.0	EC001284
ECCN	NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	IEC 61984	NL-122199
CSA CSA Group	C22.2	70180346
DEKRA DEKRA Certification B.V.	EN 61984	71-168918
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-168766
UL Underwriters Laboratories Inc.	C22.2 No. 158	UL-US- L45172-6187180-82608102-1
UL Underwriters Laboratories Inc.	UL 1059	UL-US- L45172-6187180-82608102-1
UL Underwriters Laboratories Inc.	UL 1977	UL-US- L45171-12-60218102-2

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 832-1102

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Documentation

Additional Information

Technical Section

03.04.2019

pdf
2027.26 KB

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CAD/CAE-Data

CAD data

2D/3D Models 832-1102

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CAE data

ZUKEN Portal 832-1102

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PCB Design

Symbol and Footprint via SamacSys 832-1102

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Symbol and Footprint via Ultra Librarian 832-1102

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1 Compatible Products

1.1 System counterpart

1.1.1 Male connector/plug



Item No.: 832-1202/306-000

1-conductor male connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 2-pole; 100% protected against mis-mating; DIN-35 rail/panel mounting; Silver-plated contacts; 16,00 mm²; light gray



Item No.: 832-1202

1-conductor male connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 2-pole; 100% protected against mis-mating; Silver-plated contacts; 16,00 mm²; light gray



Item No.: 832-1202/000-9034

1-conductor male connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 2-pole; 100% protected against mis-mating; Silver-plated contacts; direct marking; 16,00 mm²; light gray



Item No.: 832-1202/332-000

1-conductor male connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 2-pole; 100% protected against mis-mating; Strain relief plate; Silver-plated contacts; 16,00 mm²; light gray



Item No.: 832-3622

THT male header; 1.2 x 1.2 mm solder pin; angled; 100% protected against mismating; Silver-plated contacts; Pin spacing 10.16 mm; 2-pole; light gray



Item No.: 832-3642

THT male header; 1.2 x 1.2 mm solder pin; angled; 100% protected against mismating; Silver-plated contacts; Pin spacing 10.16 mm; 2-pole; light gray



Item No.: 832-3602

THT male header; 1.2 x 1.2 mm solder pin; straight; 100% protected against mismating; Silver-plated contacts; Pin spacing 10.16 mm; 2-pole; light gray



1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding



Item No.: 832-500
Coding key carrier; orange

1.2.2 Ferrule

1.2.2.1 Ferrule



Item No.: 216-284
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



Item No.: 216-289
Ferrule; Sleeve for 10 mm² / AWG 8; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



Item No.: 216-210
Ferrule; Sleeve for 16 mm² / AWG 6; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue



Item No.: 216-286
Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue



Item No.: 216-287
Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



Item No.: 216-288
Ferrule; Sleeve for 6 mm² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow

1.2.3 Locking system

1.2.3.1 Locking system



Item No.: 832-522
center locking; for female connectors; for even pole numbers; 1 part; orange

1.2.4 Mounting adapter

1.2.4.1 Mounting accessories



Item No.: 832-1038
Mounting adapter; for DIN-35 rail/panel mounting; fixed on DIN-rail 35; Pin spacing 10.16 mm; light gray



Item No.: 832-1032
Mounting adapter; for DIN-35 rail/panel mounting; freely movable on DIN-rail 35; Pin spacing 10.16 mm; light gray

1.2.5 Strain relief

1.2.5.1 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



Item No.: 832-532

Strain relief plate; for female and male connectors; 20.2 mm wide; 1 part; Pin spacing 10.16 mm; 2-pole; light gray

Installation Notes

Conductor termination



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

Conductor termination



Fine-stranded wires, connected