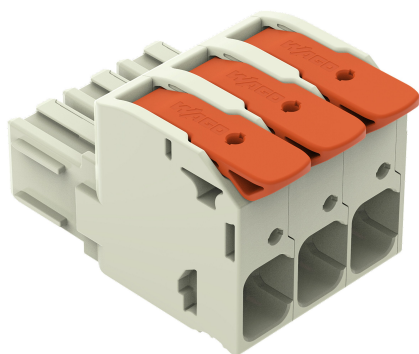


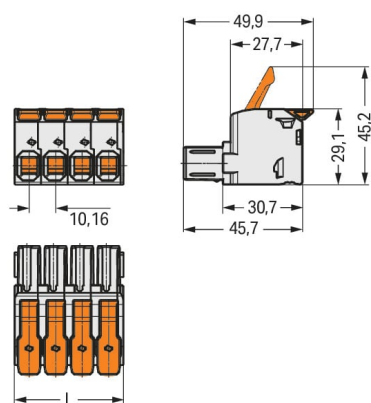
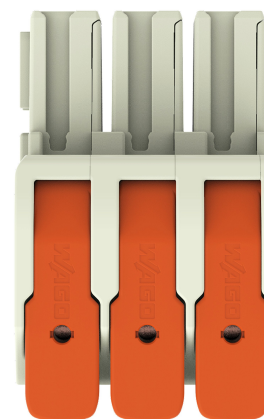
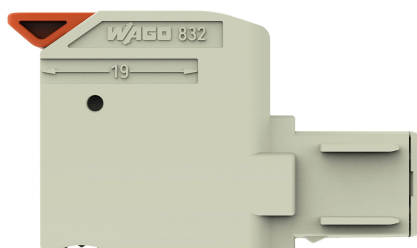
Data Sheet | Item Number: 832-1103

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

<https://www.wago.com/832-1103>



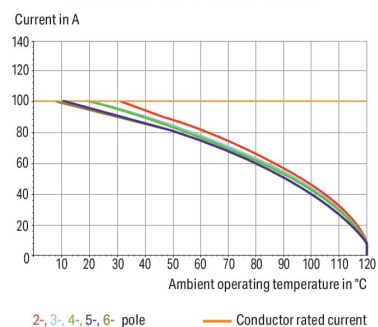
Color: ■ light gray

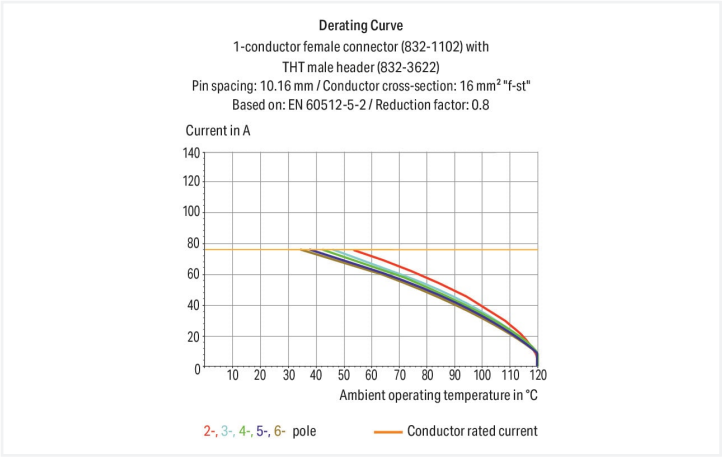


Dimensions in mm

$L = (\text{pole no.} \times \text{pin spacing}) + 1.3 \text{ mm}$

Derating Curve
1-conductor female connector (832-1102) with
THT male header (832-3622)
Pin spacing: 10.16 mm / Conductor cross-section: 25 mm² f-st
Based on: EN 60512-5-2 / Reduction factor: 0.8







- 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 mismating
- Coding option available

Notes	
Safety information	The MCS – <i>MULTI CONNECTION SYSTEM</i> 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 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	1000 V	1000 V	1000 V
Rated surge voltage	8 kV	8 kV	8 kV
Rated current	76 A	76 A	76 A

Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	66 A	66 A	-

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

Connection points	3
Total number of potentials	3
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 mm² / 18 ... 4 AWG
Fine-stranded conductor	0.75 ... 25 mm² / 18 ... 4 AWG
Fine-stranded conductor; with insulated ferrule	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	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
Mismatching protection	Yes



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 _{Cu})
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

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	IEC 61984	NL-53084
CSA CSA Group	C22.2	70180346
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-104731
UL Underwriters Laboratories Inc.	C22.2 No. 158	E45172



Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 832-1103

Documentation

Additional Information
Technical Section
03.04.2019
pdf
2027.26 KB

CAD/CAE-Data

CAD data
2D/3D Models
832-1103

CAE data
ZUKEN Portal
832-1103

PCB Design
Symbol and Footprint via SamacSys
832-1103
Symbol and Footprint via Ultra Librarian
832-1103

1 Compatible Products

1.1 System counterpart

1.1.1 Male connector/plug



[Item No.: 832-1203/306-000](#)
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



[Item No.: 832-1203](#)
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



[Item No.: 832-1203/000-9034](#)
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; direct marking; 16,00 mm²; light gray



[Item No.: 832-1203/333-000](#)
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



[Item No.: 832-3623](#)
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



[Item No.: 832-3643](#)
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



[Item No.: 832-3603](#)
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



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



[Item No.: 832-523](#)
center locking; for female connectors; for odd pole numbers; 1 part; orange

1.2.3.2 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

1.2.4 Mounting adapter

1.2.4.1 Mounting accessories



[Item No.: 832-1032](#)
Mounting adapter; for DIN-35 rail/panel mounting; 2 parts; Pin spacing 10.16 mm; light gray



[Item No.: 832-1038](#)
Mounting adapter; for DIN-35 rail/panel mounting; 3 parts; Pin spacing 10.16 mm; light gray

1.2.5 Strain relief

1.2.5.1 Strain relief plate



Item No.: 832-543

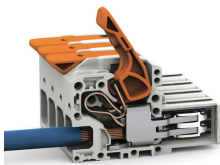
center locking with strain relief; for female and male connectors; 30.4 mm wide; 2 parts; Pin spacing 10.16 mm; 3-pole; orange

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

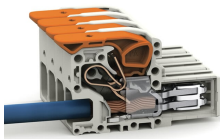
Installation Notes

Conductor termination



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

Conductor termination



Fine-stranded wires, connected