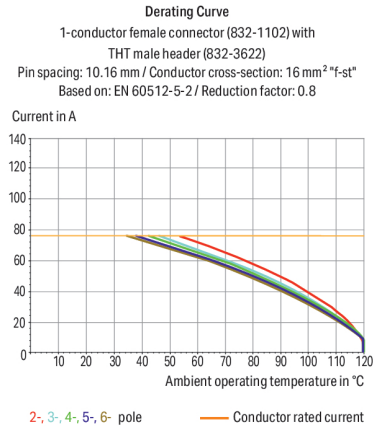
Data Sheet | Item Number: 832-1103/037-9037

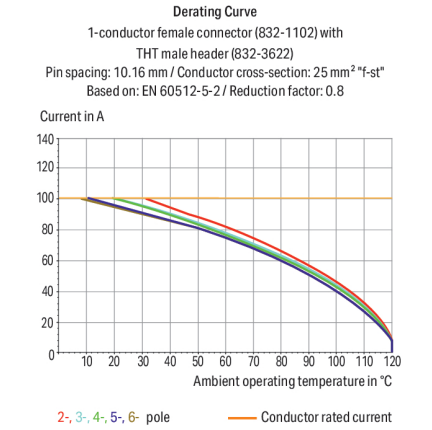
1-conductor female connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 3-pole; 100% protected against mismating; Lateral locking levers; Silver-plated contacts; direct marking; 16,00 mm²; light gray

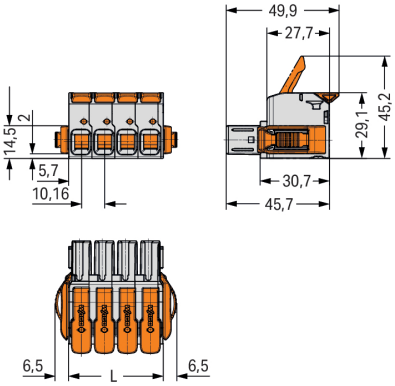
https://www.wago.com/832-1103/037-9037





Color: light gray





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

Female connector, 832 Series, Push-in CAGE CLAMP®

Our female connector (item number 832-1103/037-9037) is designed for seamless electrical installations. Strip lengths must be between 18 and 20 mm when connecting conductors to this female connector. This product features one conductor terminal and utilizes Push-in CAGE CLAMP®. Push-in CAGE CLAMP® technology provides a universal connection solution for all conductor types. It allows both solid and fine-stranded conductors with ferrules to be inserted directly into the clamping point without the need for tools. Dimensions: (43.78 x 29.1 x 49.8) mm (width x height x depth). Depending on the conductor type, this female connector is suitable for conductor cross sections ranging from 0.75 mm² to 16 mm².

Silver is used for coating the contact surfaces.

- 3 connection points
- Permanently secure connections
- The right terminal for every wiring task
- Actuation via lever
- Pin spacing: 10,16 mm

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 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	1000 V	1000 V	1000 V
Rated impulse withstand 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	-

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	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	43.78 mm / 1.724 inches
Height	29.1 mm / 1.146 inches
Depth	49.8 mm / 1.961 inches

Continued on next page

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
Locking of plug-in connection	Lateral locking lever

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	0.535 MJ
Actuator color	orange
Weight	42.3 g

Environmental requirements

Limit temperature range	-60 … +120 °C
Processing temperature	-35 … +60 °C

Commercial data

PU (SPU)	12 pcs
Packaging type	Box
Country of origin	PL
GTIN	4066966821390
Customs tariff number	85366990990

Product Classification

UNSPSC	39121409
ETIM 9.0	EC001284
ETIM 10.0	EC001284
ECCN	NO US CLASSIFICATION

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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
DEKRA DEKRA Certification B.V.	EN 61984	71-168918
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-168766
UL Underwriters Laboratories Inc.	UL 1977	UL-US-L45171-12-60218102-2

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 832-1103/037-9037

Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB

CAD/CAE-Data

PCB Design

Symbol and Footprint via SamacSys 832-1103/037-9037

Symbol and Footprint via Ultra Librarian 832-1103/037-9037

Continued on next page

1 Compatible Products

1.1 System counterpart

1.1.1 Male connector/plug



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 mismating; 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 mismating; 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 mismating; 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 mismating; 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 Mounting adapter

1.2.3.1 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

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1.2.4 Strain relief

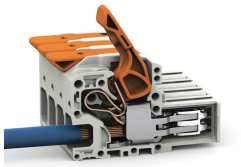
1.2.4.1 Strain relief plate



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

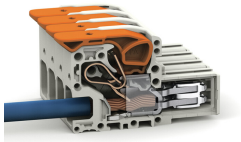
Installation Notes

Conductor termination



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

Conductor termination



Fine-stranded wires, connected