

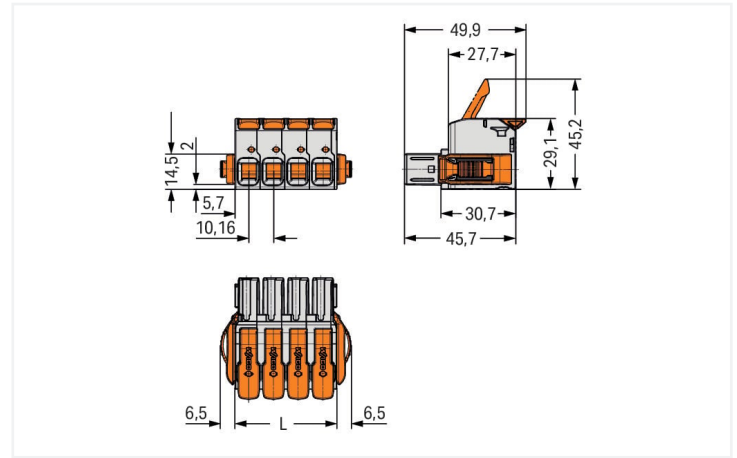
Data Sheet | Item Number: 832-1104/037-9037

1-conductor female connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 4-pole; 100% protected against mismating; Lateral locking levers; Silver-plated contacts; direct marking; 16,00 mm²; light gray

<https://www.wago.com/832-1104/037-9037>

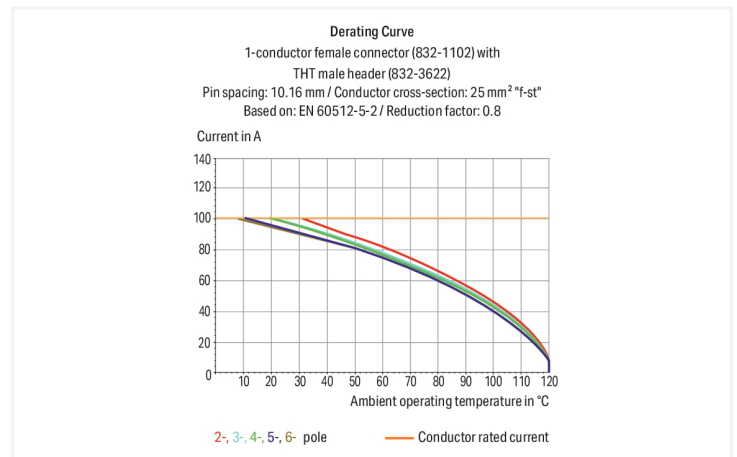
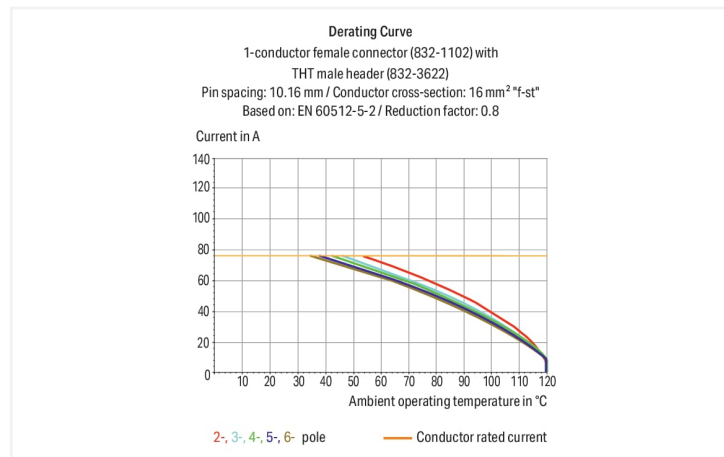


Color: ■ light gray



Dimensions in mm

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



Federleiste/Buchse Serie 832 mit 0° Leiterabgang zur Steckrichtung

Die Federleiste/Buchse hat die Artikelnummer 832-1104/037-9037 und bietet eine saubere ordentliche Elektroinstallation. Setzen Sie beim Design-In Ihres Gerätes auf alterprobte Sicherheit: Mit Leiterplatten-Steckverbindern haben Sie verschiedene Verwendungsmöglichkeiten. Dieser Leiterplatten-Steckverbinder mit einer Bemessungsspannung von 1000 V findet Verwendung bei elektrischen Strömen bis 76 A. Das Produkt eignet sich somit auch für leistungsstarke Verbraucher. Für den Leiteranschluss werden bei dieser Federleiste/Buchse Abisolierlängen von 18 bis 20 mm benötigt. Bei diesem Produkt findet die Push-in CAGE CLAMP®-Technologie Verwendung. Mit der Push-in CAGE CLAMP® Anschlusstechnik wird der Anschluss aller Leiterarten perfekt. Durch den Zusatznutzen des direkten Steckens können Leiter mit ausreichender Knicksteifigkeit sowie feindrähtige Leiter mit Aderendhülse ohne Werkzeug gesteckt werden. In Breite x Höhe x Tiefe sind die Abmessungen 53,94 x 29,1 x 49,8 mm. In Abhängigkeit von der Leiterart ist die Federleiste/Buchse für Leiterquerschnitte von 0,75 mm² bis 16 mm² ausgelegt. Bei dieser Klemmenleiste mit 1 Ebene können über die 4 Klemmstellen 4 Potenziale / 4 Pol verbunden werden. Die Klemmfeder ist aus Chrom-Nickel-Federstahl (CrNi) gefertigt, das lichtgraue Gehäuse aus Polybutylen-terephthalat (PBT) sorgt für die Isolierung und die Kontakte bestehen aus Elektrolytkupfer (ECu). Die Kontaktoberfläche ist aus Silber. Durch einen Hebel wird diese Federleiste/Buchse betätigt. Das MCS – "Multi Connection System" von WAGO umfasst insgesamt 7 Familien in den Rastermaßen 2,5 mm bis 10,16 mm und bietet mit dem Leiterquerschnittsbereich von 0,08 bis 25 mm² ein großes Portfolio an Einsatzmöglichkeiten.



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 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		
Clamping units	4	
Total number of potentials	4	
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	4	
Conductor entry direction to mating direction	0°	

Physical data	
Pin spacing	10.16 mm / 0.4 inches
Width	53.94 mm / 2.124 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
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		0.975 MJ
Actuator color		orange
Weight		55.4 g
Environmental requirements		
Limit temperature range		-60 ... +120 °C
Processing temperature		-35 ... +60 °C
Commercial data		
ETIM 9.0		EC001284
ETIM 8.0		EC001284
PU (SPU)		10 pcs
Packaging type		Box
Country of origin		DE
GTIN		4055143921268
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-87399
DEKRA DEKRA Certification B.V.	EN 61984	71-129306
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-128114
UL Underwriters Laboratories Inc.	UL 1977	UL-US- L45171-12-60218102-2

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 832-1104/037-9037	

Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	

CAD/CAE-Data

PCB Design	
Symbol and Footprint via SamacSys 832-1104/037-9037	
Symbol and Footprint via Ultra Librarian 832-1104/037-9037	



1 Compatible Products

1.1 System counterpart

1.1.1 Male connector/plug



Item No.: 832-1204
1-conductor male connector; lever; Push-in CAGE CLAMP®; 16 mm²; Pin spacing 10.16 mm; 4-pole; 100% protected against mismatching; Silver-plated contacts; 16,00 mm²; light gray



Item No.: 832-3624
THT male header; 1.2 x 1.2 mm solder pin; angled; 100% protected against mismatching; Silver-plated contacts; Pin spacing 10.16 mm; 4-pole; light gray



Item No.: 832-3644
THT male header; 1.2 x 1.2 mm solder pin; angled; 100% protected against mismatching; Silver-plated contacts; Pin spacing 10.16 mm; 4-pole; light gray



Item No.: 832-3604
THT male header; 1.2 x 1.2 mm solder pin; straight; 100% protected against mismatching; Silver-plated contacts; Pin spacing 10.16 mm; 4-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.: 832-1032
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

1.2.4 Strain relief

1.2.4.1 Strain relief plate

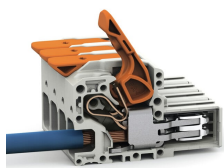


Item No.: 832-534

Strain relief plate; for female and male connectors; 40.6 mm wide; 1 part; Pin spacing 10.16 mm; 4-pole; light gray

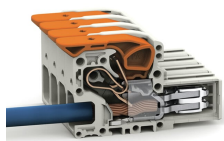
Installation Notes

Conductor termination



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

Conductor termination



Fine-stranded wires, connected