

Data Sheet | Item Number: 714-108

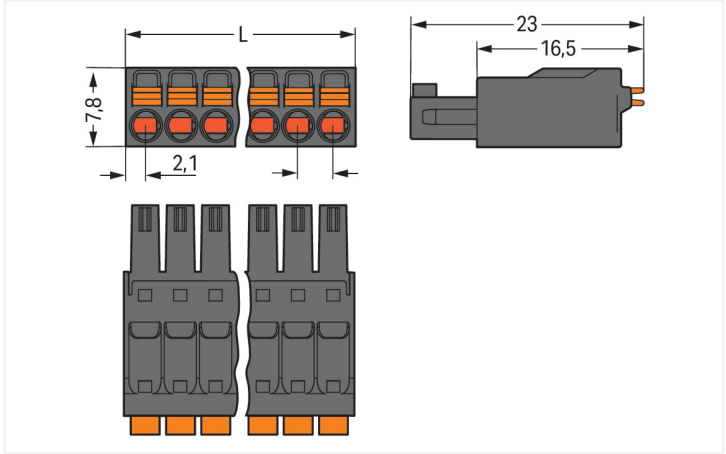
1-conductor female connector; push-button; 1.5 mm²; Pin spacing 3.5 mm; 8-pole; 1,50 mm²; black

<https://www.wago.com/714-108>



Color: ■ black

Similar to illustration



Dimensions in mm
L = (pole no. – 1) x pin spacing + 4.2 mm

Federleiste/Buchse Serie 714 mit Drücker

Die Federleiste/Buchse mit der Artikelnummer 714-108 bietet eine reibungslose Elektroinstallation. Mit unseren Leiterplatten-Steckverbindern bekommen Sie ein universelles Steckverbindersystem, das vielseitig eingesetzt werden kann: als Leiterplatten-Steckverbinder, als Durchführungssteckverbinder, als fliegende Steckverbindung für verschiedene Montagearten oder als Steckverbinder auf Reihenklemmen. Bei dieser Federleiste/Buchse ist für den Leiteranschluss eine Abisolierlänge im Bereich von 9 bis 10 mm erforderlich. Dieses Produkt verwendet die Push-in CAGE CLAMP®-Technologie. 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. Die Abmessungen sind in Breite x Höhe x Tiefe (28,7 x 7,8 x 23) mm. Diese Federleiste/Buchse ist in Abhängigkeit von der Leiterart für Leiterquerschnitte von 0,2 mm² bis 1,5 mm² geeignet. Die Oberfläche der Kontakte besteht aus Zinn. Durch einen Drücker wird diese Federleiste/Buchse betätigt. Das MCS – "Multi Connection System" von WAGO ist ein vielfältiges Steckverbindersystem für Ihre durchgängige Systemverdrahtung. Es ermöglicht Ihnen eine vereinfachte Verdrahtung in der Kabelvorkonfektionierung und auf Geräten durch zwei Betätigungsrichtungen für die CAGE CLAMP®-Varianten.

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			Approvals per		UL 1059
Overvoltage category		III	III	II	Use group	B	C D
Pollution degree		3	2	2	Rated voltage	150 V	- -
Nominal voltage		160 V	160 V	320 V	Rated current	8 A	- -
Rated surge voltage		2.5 kV	2.5 kV	2.5 kV			
Rated current		8 A	8 A	8 A			



Connection data			
Clamping units	8	Connection 1	
Total number of potentials	8	Connection technology	Push-in CAGE CLAMP®
Number of connection types	1	Actuation type	Push-button
Number of levels	1	Actuation direction 1	Operation parallel to conductor entry
		Solid conductor	0.2 ... 1.5 mm² / 24 ... 16 AWG
		Fine-stranded conductor	0.2 ... 1.5 mm² / 24 ... 16 AWG
		Fine-stranded conductor; with insulated ferrule	0.25 ... 0.75 mm²
		Fine-stranded conductor; with uninsulated ferrule	0.25 ... 1.5 mm²
		Strip length	9 ... 10 mm / 0.35 ... 0.39 inches
		Pole number	8
		Conductor entry direction to mating direction	0 °

Physical data			
Pin spacing		3.5 mm / 0.138 inches	
Width		28.7 mm / 1.13 inches	
Height		7.8 mm / 0.307 inches	
Depth		23 mm / 0.906 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		No	

Material data			
Note (material data)		Information on material specifications can be found here	
Color		black	
Material group		I	
Insulation material (main housing)		Polyamide (PA66)	
Flammability class per UL94		V0	
Clamping spring material		Chrome-nickel spring steel (CrNi)	
Contact material		Copper alloy	
Contact Plating		Tin	
Fire load		0.095 MJ	
Weight		4.7 g	



Environmental requirements	
Limit temperature range	-60 ... +100 °C
Processing temperature	-35 ... +60 °C

Commercial data	
Product Group	3 (Multi Conn. System)
eCl@ss 10.0	27-14-11-06
eCl@ss 9.0	27-14-11-06
ETIM 9.0	EC001284
ETIM 8.0	EC001284
PU (SPU)	100 pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454858759
Customs tariff number	85366990990

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 61984	NTR NL-7604
KEMA/KEUR DEKRA Certification B.V.	EN 61984	2198681.01
UR Underwriters Laboratories Inc.	UL 1059	E45172

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 714-108	

Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	

CAD/CAE-Data

CAD data
2D/3D Models 714-108

CAE data
ZUKEN Portal 714-108

1 Compatible Products

1.1 System counterpart

1.1.1 Male connector/plug



[Item No.: 714-168](#)
THT male header; 0.8 x 0.8 mm solder pin;
angled; Pin spacing 3.5 mm; 8-pole; black



[Item No.: 714-138](#)
THT male header; 0.8 x 0.8 mm solder pin;
straight; Pin spacing 3.5 mm; 8-pole; black

1.2 Optional Accessories

1.2.1 Ferrule

1.2.1.1 Ferrule



[Item No.: 216-241](#)
Ferrule; Sleeve for 0.5 mm² / 20 AWG; in-
sulated; electro-tin plated; electrolytic
copper; gastight crimped; acc. to DIN
46228, Part 4/09.90; white



[Item No.: 216-141](#)
Ferrule; Sleeve for 0.5 mm² / 20 AWG; un-
insulated; electro-tin plated; electrolytic
copper; gastight crimped; acc. to DIN
46228, Part 1/08.92



[Item No.: 216-242](#)
Ferrule; Sleeve for 0.75 mm² / 18 AWG; in-
sulated; electro-tin plated; electrolytic
copper; gastight crimped; acc. to DIN
46228, Part 4/09.90; gray



[Item No.: 216-262](#)
Ferrule; Sleeve for 0.75 mm² / 18 AWG; in-
sulated; electro-tin plated; electrolytic
copper; gastight crimped; acc. to DIN
46228, Part 4/09.90; gray



[Item No.: 216-142](#)
Ferrule; Sleeve for 0.75 mm² / 18 AWG;
uninsulated; electro-tin plated; electroly-
tic copper; gastight crimped; acc. to DIN
46228, Part 1/08.92



[Item No.: 216-143](#)
Ferrule; Sleeve for 1 mm² / AWG 18; unin-
sulated; electro-tin plated; electrolytic
copper; gastight crimped; acc. to DIN
46228, Part 1/08.92



[Item No.: 216-144](#)
Ferrule; Sleeve for 1.5 mm² / AWG 16; un-
insulated; electro-tin plated; electrolytic
copper; gastight crimped; acc. to DIN
46228, Part 1/08.92; silver-colored

1.2.2 Test and measurement

1.2.2.1 Testing accessories



[Item No.: 735-500](#)
WAGO Test pin; 1 mm Ø; 30 V AC / 60 V
DC; CAT0; 1 A; 6 mm uninsulated; Test lead
for soldering up to 0,5mm²

1.2.3 Tool

1.2.3.1 Operating tool

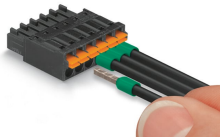


Item No.: 210-719
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

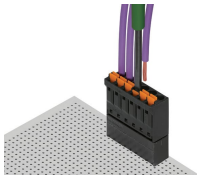
Item No.: 210-647
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured

Installation Notes

Conductor termination



Solid and ferruled conductors are terminated by simply pushing them into unit.



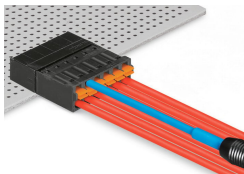
Inserting/removing fine-stranded conductors via push-button.

Coding



Coding a female connector by removing coding finger(s).

Testing



Testing via 1 mm Ø test pin – insertion parallel to conductor entry.

Marking



Pole marking via factory direct marking