

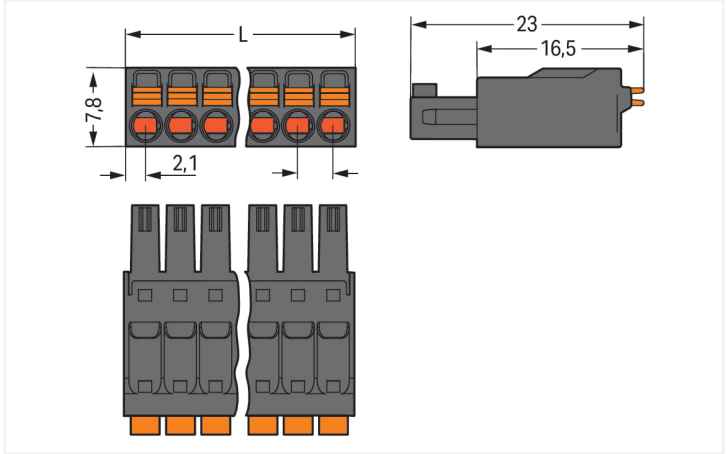
Data Sheet | Item Number: 714-115
1-conductor female connector; push-button; 1.5 mm²; Pin spacing 3.5 mm; 15-pole;
1,50 mm²; black

<https://www.wago.com/714-115>



Color: ■ black

Similar to illustration



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

Federleiste/Buchse Serie 714 mit Push-in CAGE CLAMP®

Bei dieser Federleiste/Buchse mit der Artikelnummer 714-115 ist eine fehlerfreie Elektroinstallation der Fokus. Mit unseren Leiterplatten-Steckverbindern erhalten Sie ein universelles Steckverbindersystem, das vielseitig verwendet 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 nötig. Bei diesem Produkt findet die Push-in CAGE CLAMP®-Technologie Verwendung. Die Push-in CAGE CLAMP® Anschlusstechnik ist der Universalanschluss für alle Leiterarten mit dem Zusatznutzen des direkten Steckens. Starre Leiter sowie feindrähtige Leiter mit Aderendhülse können ohne Werkzeug direkt in die Klemmstelle gesteckt werden. Die Maße sind in Breite x Höhe x Tiefe (53,2 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 ist aus Zinn. Für diese Federleiste/Buchse erfolgt die Betätigung per Drücker. 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			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	15	Connection 1 <table><tr><td>Connection technology</td><td>Push-in CAGE CLAMP®</td></tr><tr><td>Actuation type</td><td>Push-button</td></tr><tr><td>Actuation direction 1</td><td>Operation parallel to conductor entry</td></tr><tr><td>Solid conductor</td><td>0.2 ... 1.5 mm² / 24 ... 16 AWG</td></tr><tr><td>Fine-stranded conductor</td><td>0.2 ... 1.5 mm² / 24 ... 16 AWG</td></tr><tr><td>Fine-stranded conductor; with insulated ferrule</td><td>0.25 ... 0.75 mm²</td></tr><tr><td>Fine-stranded conductor; with uninsulated ferrule</td><td>0.25 ... 1.5 mm²</td></tr><tr><td>Strip length</td><td>9 ... 10 mm / 0.35 ... 0.39 inches</td></tr><tr><td>Pole number</td><td>15</td></tr><tr><td>Conductor entry direction to mating direction</td><td>0 °</td></tr></table>	Connection technology	Push-in CAGE CLAMP®	Actuation type	Push-button	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	15	Conductor entry direction to mating direction	0 °
Connection technology	Push-in CAGE CLAMP®																					
Actuation type	Push-button																					
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	15																					
Conductor entry direction to mating direction	0 °																					
Total number of potentials	15																					
Number of connection types	1																					
Number of levels	1																					

Physical data		
Pin spacing	3.5 mm / 0.138 inches	
Width	53.2 mm / 2.094 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	0.144 MJ	
Weight	8.7 g	



Environmental requirements	
Limit temperature range	-60 ... +100 °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 9.0	EC001284
ETIM 8.0	EC001284
PU (SPU)	50 pcs
Packaging type	Box
Country of origin	DE
GTIN	4055143233910
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 714-115	

Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	



CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 714-115	ZUKEN Portal 714-115

1 Compatible Products

1.1 System counterpart

1.1.1 Male connector/plug



- Item No.: 714-175**
THT male header; 0.8 x 0.8 mm solder pin; angled; Pin spacing 3.5 mm; 15-pole; black
- Item No.: 714-145**
THT male header; 0.8 x 0.8 mm solder pin; straight; Pin spacing 3.5 mm; 15-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; insulated; 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; insulated; 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; insulated; 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; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92
- Item No.: 216-143**
Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; 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; uninsulated; 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

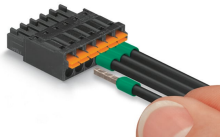


Item No.: 210-719
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

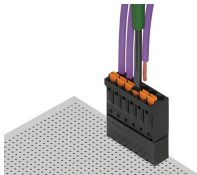
Item No.: 210-647
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured

Installation Notes

Conductor termination



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



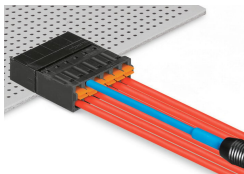
Inserting/removing fine-stranded conductors via push-button.

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