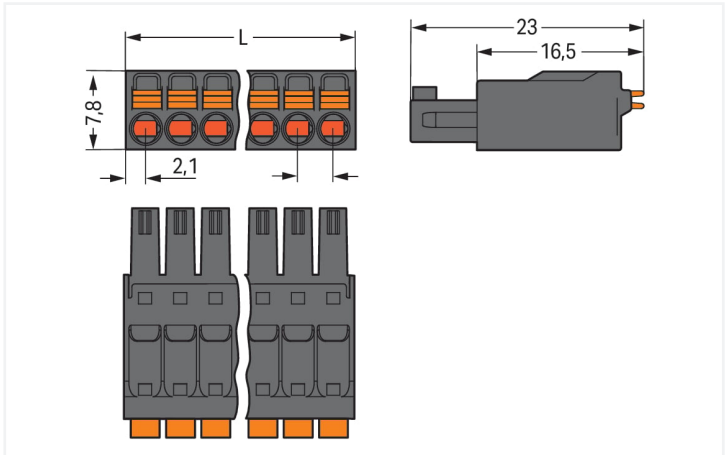




Color: ■ black

Similar to illustration



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

Federleiste/Buchse Serie 714 mit Rastermaß 3,5 mm

Bei dieser Federleiste/Buchse (Artikelnummer 714-108/000-047) ist eine fehlerfreie Elektroinstallation der Schwerpunkt. Unsere Leiterplatten-Steckverbinder gewähren Ihnen die größtmögliche Flexibilität bei verschiedenen Montagearten. Diese Federleiste/Buchse benötigt für den Leiteranschluss eine Abisolierlänge zwischen 9 und 10 mm. Dieses Produkt ist mit der Push-in CAGE CLAMP®-Technologie ausgerüstet. 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 Aderendhülle ohne Werkzeug gesteckt werden. Die Maße 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 ist aus Zinn. Für diese Federleiste/Buchse erfolgt die Betätigung per Drücker. Das "Multi Connection System" – MCS von WAGO ist das vielfältige Steckverbindersystem mit überzeugenden Lösungen für Ihre Anwendungen.

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	160 V	160 V	320 V
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV
Rated current	8 A	8 A	8 A
Approvals per		UL 1059	
Use group	B	C	D
Rated voltage	150 V	-	-
Rated current	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	PL
GTIN	4055143237048
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

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 714-108/000-047	

Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	



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; 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; un-insulated; 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; un-insulated; 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



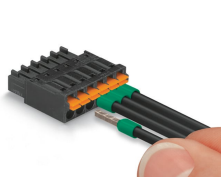
Item No.: 210-719
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft



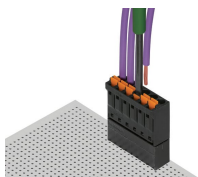
Item No.: 210-647
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured

Installation Notes

Conductor termination



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



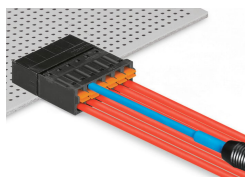
Inserting/removing fine-stranded conductors via push-button.

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