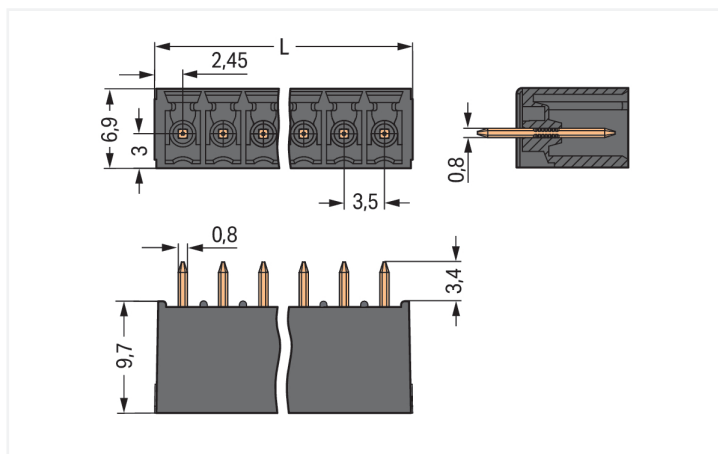
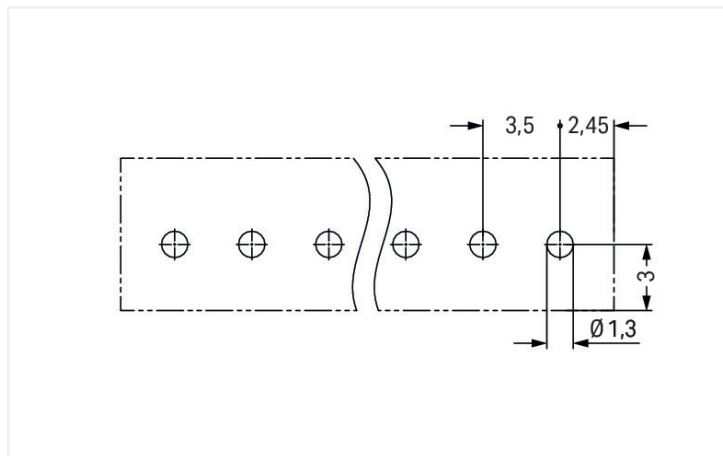


<https://www.wago.com/714-142>



Similar to illustration


$$L = (\text{pole no.} - 1) \times \text{pin spacing} + 4.9 \text{ mm}$$


Die Stiftleiste (Artikelnummer 714-142) ermöglicht eine reibungslose Elektroinstallation. Setzen Sie beim Design-In Ihres Gerätes auf erprobte Sicherheit: Mit Leiterplatten-Steckverbindern erhalten Sie vielseitige Verwendungsmöglichkeiten. Die Maße betragen in Breite x Höhe x Tiefe (43,4 x 13,1 x 6,9) mm. Die Kontaktoberfläche besteht aus Zinn. Das "Multi Connection System" – MCS von WAGO ist das vielfältige Steckverbindersystem mit überzeugenden Lösungen für Ihre Anwendungen. Der Leiterplatten-Steckverbinder wird mittels THT verlötet.

Safety Information

Variants:

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.

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							
Total number of potentials				12			
Number of connection types				1			
Number of levels				1			

Connection 1			
Pole number		12	

Physical data	
Pin spacing	3.5 mm / 0.138 inches
Width	43.4 mm / 1.709 inches
Height	13.1 mm / 0.516 inches
Height from the surface	9.7 mm / 0.382 inches
Depth	6.9 mm / 0.272 inches
Solder pin length	3.4 mm
Solder pin dimensions	0.8 x 0.8 mm
Drilled hole diameter with tolerance	1.2 (+0.1) mm

Mechanical data	
Variable coding	Yes
Anti-rotation protection	Yes

Plug-in connection	
Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for PCB
Mismating protection	No
Mating direction to the PCB	90 °

PCB contact	
PCB contact	THT
Solder pin arrangement	over the entire male connector (in-line)
Number of solder pins per potential	1

Material data	
Note (material data)	Information on material specifications can be found here
Color	black
Material group	I
Insulation material (main housing)	Polyphthalamide (PPA GF)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E _{Cu})
Contact Plating	Tin
Fire load	0.054 MJ
Weight	2.6 g



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

Commercial data	
Product Group	3 (Multi Conn. System)
PU (SPU)	100 pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454858896
Customs tariff number	85366930000

Product classification	
UNSPSC	39121409
eCl@ss 10.0	27-44-04-02
eCl@ss 9.0	27-44-04-01
ETIM 9.0	EC002637
ETIM 8.0	EC002637
ECCN	NO US CLASSIFICATION

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 714-142	



Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	↓

CAD/CAE-Data

CAD data
2D/3D Models 714-142



CAE data
ZUKEN Portal 714-142



PCB Design

Symbol and Footprint via SamacSys 714-142
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Symbol and Footprint via Ultra Librarian 714-142
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1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 714-112
1-conductor female connector; push-button; 1.5 mm²; Pin spacing 3.5 mm; 12-pole; 1,50 mm²; black

Item No.: 714-112/000-047
1-conductor female connector; push-button; 1.5 mm²; Pin spacing 3.5 mm; 12-pole; direct marking; 1,50 mm²; black

1.2 Optional Accessories

1.2.1 Coding

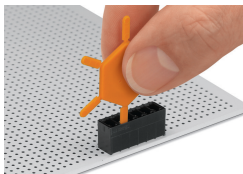
1.2.1.1 Coding



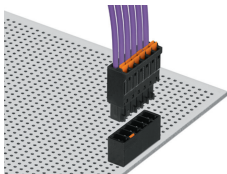
Item No.: 714-101
Coding key; orange

Installation Notes

Coding



Coding a male header by inserting a coding pin.



Coded connectors

Subject to changes. Please also observe the further product documentation!

Current addresses can be found at: www.wago.com