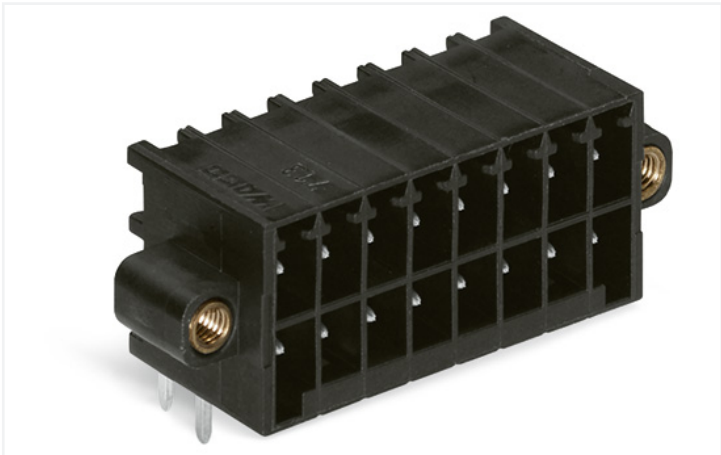


Data Sheet | Item Number: 713-1429/117-000

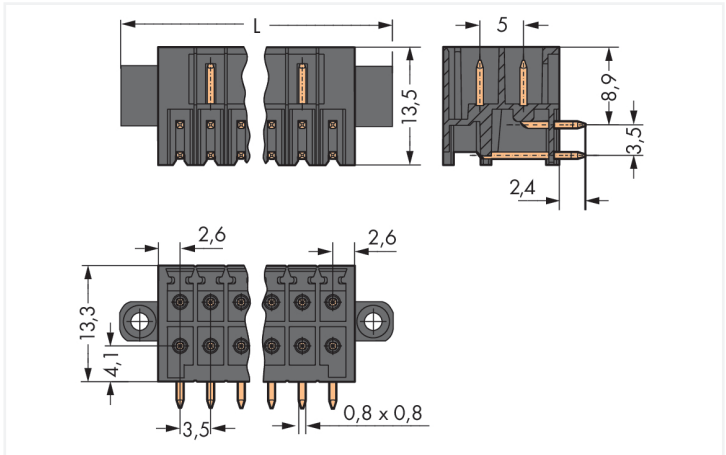
THR male header, 2-row; 0.8 x 0.8 mm solder pin; angled; 100% protected against mismating; Threaded flange; Pin spacing 3.5 mm; 18-pole; black

<https://www.wago.com/713-1429/117-000>

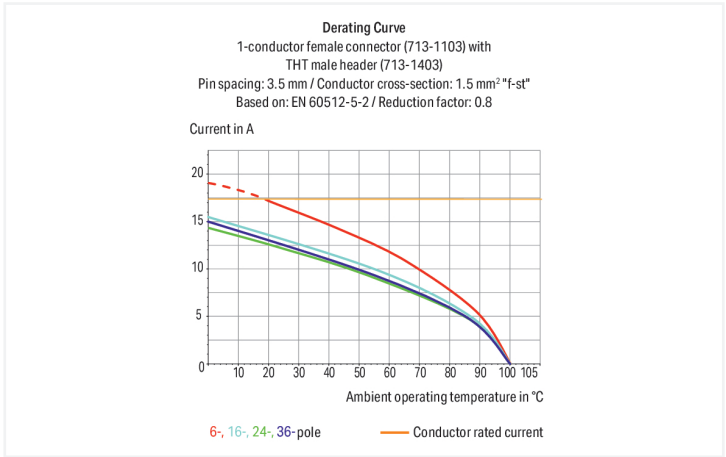
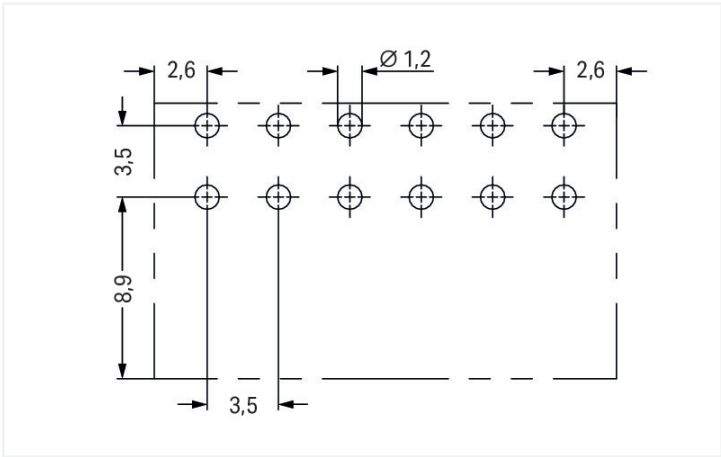


Color: ■ black

Similar to illustration



Dimensions in mm
 $L = [(pole\ no./2) - 1] \times pin\ spacing + 13.6\ mm$



Stiftleiste Serie 713, schwarz

Bei dieser Stiftleiste (Artikelnummer 713-1429/117-000) ist eine reibungslose Elektroinstallation das Hauptaugenmerk. Setzen Sie beim Design-In Ihres Gerätes auf alterprobte Sicherheit: Mit Leiterplatten-Steckverbindern haben Sie vielseitige Verwendungsmöglichkeiten. Die Abmessungen sind in Breite x Höhe x Tiefe (41,6 x 15,7 x 13,5) mm. Für die Oberfläche der Kontakte wurde Zinn eingesetzt. 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. Die Verlötlung des Leiterplatten-Steckverbinders erfolgt mittels THR.

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 solder pin lengths Gold-plated or partially gold-plated contact surfaces 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	50 V	-
Nominal voltage	80 V	160 V	250 V	Rated current	10 A	10 A	-
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV				
Rated current	10 A	10 A	10 A				

Approvals per CSA			
Use group	B	C	D
Rated voltage	150 V	-	-
Rated current	12 A	-	-

Connection data

Total number of potentials	18	Connection 1	
Number of connection types	1	Pole number	18
Number of levels	2		

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	41.6 mm / 1.638 inches
Height	15.7 mm / 0.618 inches
Height from the surface	13.3 mm / 0.524 inches
Depth	13.5 mm / 0.531 inches
Solder pin length	2.4 mm
Solder pin dimensions	0.8 x 0.8 mm
Plated through-hole diameter (THR)	1.3 (+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	Yes
Mating direction to the PCB	0 °
Locking of plug-in connection	Threaded flange

PCB contact

PCB contact	THR
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		0.105 MJ
Weight		6 g
MSL per J-STD 020D		1

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

Commercial data		
Product Group		3 (Multi Conn. System)
PU (SPU)		25 pcs
Packaging type		Box
Country of origin		PL
GTIN		4050821156628
Customs tariff number		85366930000

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

Environmental Product Compliance		
CAS-No.		7439-92-1
REACH Candidate List Substance		Lead
RoHS Compliance Status		Compliant,With Exemption
RoHS Exemption		6(c)
SCIP notification number (Austria)		eff24fb6-5718-4f24-97a5-7710940a2986
SCIP notification number (Belgium)		9ec73228-913b-4a74-8408-be9e06146b9a
SCIP notification number (Bulgaria)		f353a323-21e0-4f84-b57d-61188f19f321
SCIP notification number (Czech Republic)		5da01a77-e7d9-44a5-bc25-1f30c32dd699
SCIP notification number (Denmark)		9a95b775-a98b-4876-bcd4-a71c846a9a91
SCIP notification number (Finland)		e9f4f86c-48f8-4fb3-b1b2-ad1c5709a177
SCIP notification number (France)		45169577-b06a-40d4-8a06-4970ee55c1f6
SCIP notification number (Germany)		36809b51-cfd9-4513-88db-d89c70d5bb39
SCIP notification number (Hungary)		ee7d2e02-c677-4e6f-82a3-ce923136616c
SCIP notification number (Italy)		1fb0ee51-a999-404b-8dfa-310d2c6d4532
SCIP notification number (Netherlands)		c614f0a8-33cf-4b61-a771-d886cdf548f4
SCIP notification number (Poland)		3cc4e4a6-a631-464a-b91c-eea7cefc9b9a
SCIP notification number (Romania)		b008c2a9-0779-4c3f-b9d9-191cf4281bd8
SCIP notification number (Sweden)		9f631b92-3af6-4dc4-8288-68d11e9e788b



Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	IEC 61984	NL-102427
CSA CSA Group	C22.2	2315087
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-133740
UL Underwriters Laboratories Inc.	UL 1059	UL-US-L45172-6187124-22905991-1

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 713-1429/117-000

Documentation

Additional Information
Technical Section
03.04.2019
pdf 2027.26 KB
pdf 535.32 KB

CAD/CAE-Data

CAD data
2D/3D Models 713-1429/117-000

CAE data
ZUKEN Portal 713-1429/117-000

PCB Design
Symbol and Footprint via SamacSys 713-1429/117-000
Symbol and Footprint via Ultra Librarian 713-1429/117-000



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: [713-1109/107-000](#)
1-conductor female connector, 2-row; CA-GE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 18-pole; 100% protected against mismatching; Screw flange; 1,50 mm²; black

1.2 Optional Accessories

1.2.1 Coding

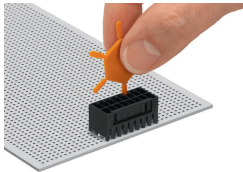
1.2.1.1 Coding



Item No.: [714-101](#)
Coding key; orange

Installation Notes

Coding



Coding a male header by inserting a coding pin.