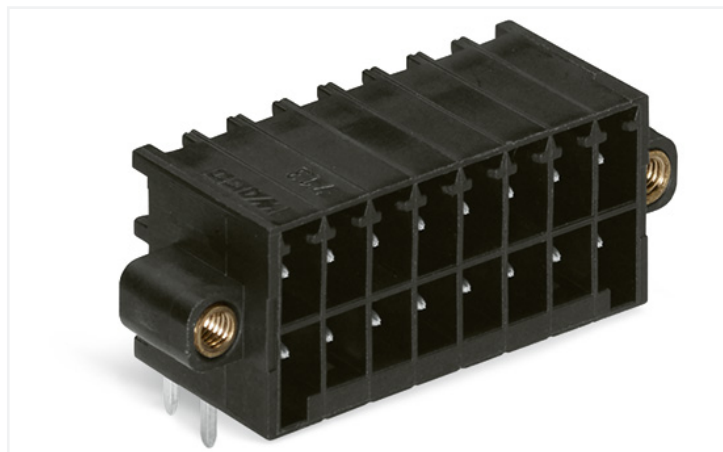
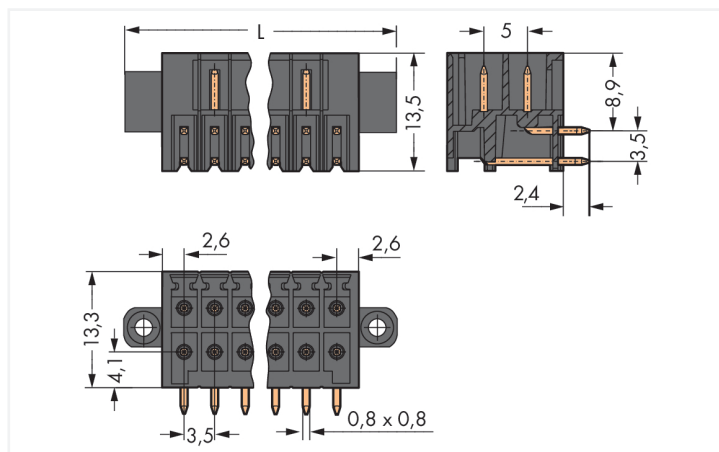
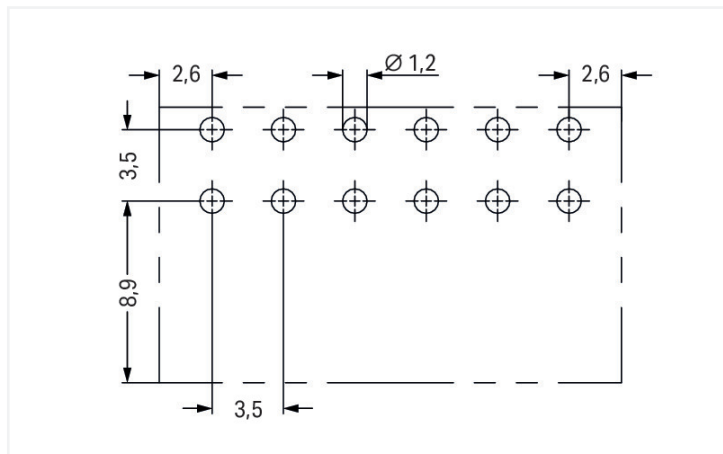


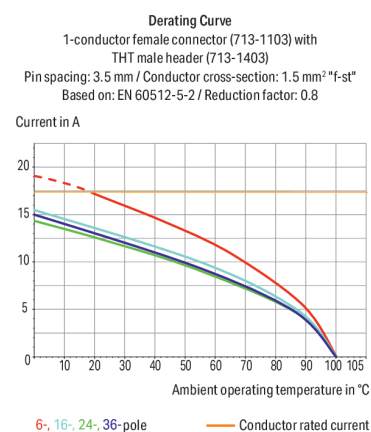
<https://www.wago.com/713-1430/117-000>



Similar to illustration


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


Bei dieser Stiftleiste (Artikelnummer 713-1430/117-000) ist eine saubere Elektroinstallation der Schwerpunkt. Setzen Sie beim Design-In Ihres Gerätes auf erprobte Sicherheit: Mit Leiterplatten-Steckverbindern erhalten Sie vielseitige Verwendungsmöglichkeiten. In Breite x Höhe x Tiefe sind die Abmessungen (45,1 x 15,7 x 13,5) mm. Die Oberfläche der Kontakte besteht aus Zinn. 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.



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 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	20	Connection 1	
Number of connection types	1	Pole number	20
Number of levels	2		

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	45.1 mm / 1.776 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	0.115 MJ	
Weight	6.5 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)	20 pcs	
Packaging type	Box	
Country of origin	PL	
GTIN	4050821156635	
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)	33ed2c08-ffdc-4f75-a601-203a171613fc	
SCIP notification number (Belgium)	f81b1862-1848-45f2-b223-d92819123623	
SCIP notification number (Bulgaria)	3a5f0962-dd1f-46b1-a418-f83f28a84f31	
SCIP notification number (Czech Republic)	28b60173-7df9-4a44-a2ce-a99bb2fafec9	
SCIP notification number (Denmark)	46907e88-a105-4450-9579-307948e65d36	
SCIP notification number (Finland)	137bf47f-041e-4689-ae12-c64c4353e074	
SCIP notification number (France)	cda033d5-c965-410d-84ad-993543f373f3	
SCIP notification number (Germany)	09d6300f-fa8d-40d7-b187-b49b6c569178	
SCIP notification number (Hungary)	cf00f946-f829-4a59-a382-bbd5aee7b8c1	
SCIP notification number (Italy)	4f882b68-8517-4b85-b760-b321727c405d	
SCIP notification number (Netherlands)	ca1c81be-3a14-4776-83fc-ed3b26af4afe	
SCIP notification number (Poland)	044ec710-2e7c-40ad-9f49-72e53b798991	
SCIP notification number (Romania)	20fb15e5-476d-4bbb-86aa-7cb1cb980f9f	
SCIP notification number (Sweden)	3be6a412-0222-406c-8633-9967913c5383	



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 713-1430/117-000	

Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	
		pdf 535.32 KB	

CAD/CAE-Data

CAD data
2D/3D Models 713-1430/117-000

CAE data
ZUKEN Portal 713-1430/117-000

PCB Design
Symbol and Footprint via SamacSys 713-1430/117-000
Symbol and Footprint via Ultra Librarian 713-1430/117-000



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: [713-1110/107-000](#)
1-conductor female connector, 2-row; CA-GE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 20-pole; 100% protected against mismatching; Screw flange; 1,50 mm²; black

1.2 Optional Accessories

1.2.1 Coding

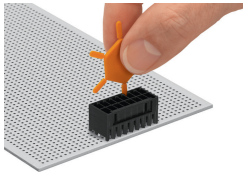
1.2.1.1 Coding



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

Installation Notes

Coding



Coding a male header by inserting a coding pin.