

Data Sheet | Item Number: 713-1434/107-000

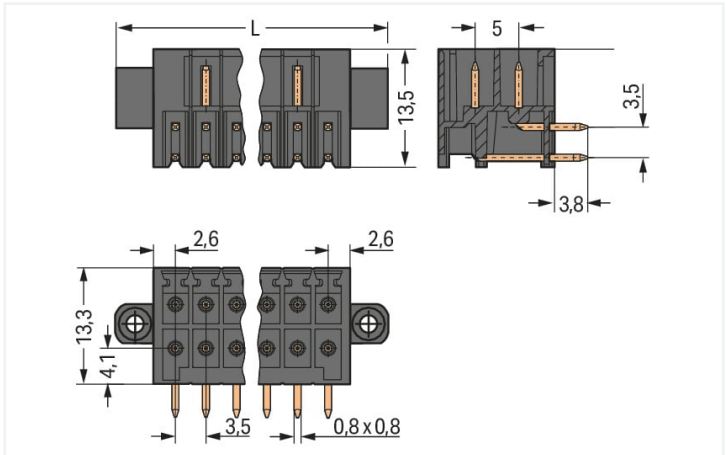
THT male header, 2-row; 0.8 x 0.8 mm solder pin; angled; 100% protected against mismatching; Threaded flange; Pin spacing 3.5 mm; 28-pole; black

<https://www.wago.com/713-1434/107-000>

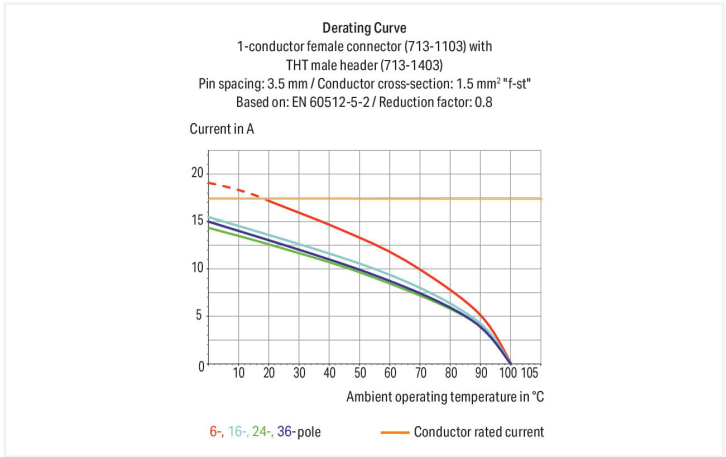
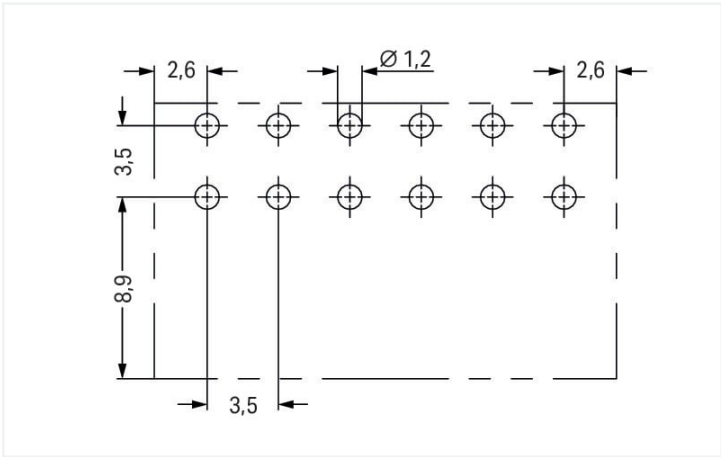


Color: ■ black

Similar to illustration



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



- Male headers may be mounted horizontally or vertically via straight or angled solder pins
- Header housing is molded of THT-compatible insulation material for lead-free reflow soldering
- Separated pin slots prevent damage and make the headers touch-proof when unplugged
- 100% protected against mismatching
- Coding option available

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	28	Connection 1	
Number of connection types	1	Pole number	28
Number of levels	2		

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	59.1 mm / 2.327 inches
Height	17.1 mm / 0.673 inches
Height from the surface	13.3 mm / 0.524 inches
Depth	13.5 mm / 0.531 inches
Solder pin length	3.8 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	Yes
Mating direction to the PCB	0 °
Locking of plug-in connection	Threaded flange

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	Polyphthalamide (PPA GF)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E _{Cu})
Contact plating	Tin
Fire load	0.154 MJ
Weight	8.3 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	27-44-04-02
eCl@ss 9.0	27-44-04-02
ETIM 8.0	EC002637
ETIM 7.0	EC002637
PU (SPU)	20 pcs
Packaging type	Box
Country of origin	PL
GTIN	4045454809218
Customs tariff number	85366930000

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)	c0a03b52-6929-4522-917a-a791d184ba31
SCIP notification number (Belgium)	5d343685-4c81-499e-a952-1a349c9b1bcc
SCIP notification number (Bulgaria)	dccf15e9-d258-48e8-8021-b3827d042c90
SCIP notification number (Czech Republic)	8c72575b-96a9-4594-ab20-44f343aefdea
SCIP notification number (Denmark)	2af1f20d-19f7-46c3-af12-ad72af4e8dbd
SCIP notification number (Finland)	480e73d4-4e07-46ad-b71a-bd9cb22a1653
SCIP notification number (France)	6034bb45-b05d-4dd9-abd3-c1680cf5ecf4
SCIP notification number (Germany)	83c2b5a7-0b85-4bcf-9560-5320d4e8637f
SCIP notification number (Hungary)	727e5bb7-3c4c-45ca-9cef-a47cf7af65fc
SCIP notification number (Italy)	8b9c8bea-afc5-4932-be55-2372766c0733
SCIP notification number (Netherlands)	10b18650-52cf-4fbc-aebd-d757dc4b21c0
SCIP notification number (Poland)	890e27bf-4f7d-4e46-abb5-05ecf074e649
SCIP notification number (Romania)	bdd91500-9097-4513-a474-45d21f164366
SCIP notification number (Sweden)	1ba46426-77f1-45c2-9295-5bc8645a941b



Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
UR Underwriters Laboratories Inc.	UL 1059	E45172

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 713-1434/107-000



Documentation

Additional Information
Technical Section
03.04.2019
pdf 2010.85 KB



CAD/CAE-Data

CAD data
2D/3D Models 713-1434/107-000



CAE data
ZUKEN Portal 713-1434/107-000



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



[Item No.: 713-1114/107-000](#)
1-conductor female connector, 2-row;
CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5
mm; 28-pole; 100% protected against
mismatching; Screw flange; 1,50 mm²; black



[Item No.: 713-1114/107-047](#)
1-conductor female connector, 2-row;
CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5
mm; 28-pole; 100% protected against
mismatching; Screw flange; direct marking;
1,50 mm²; black



[Item No.: 713-1114/107-9037](#)
1-conductor female connector, 2-row;
CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5
mm; 28-pole; 100% protected against
mismatching; Screw flange; direct marking;
1,50 mm²; black



[Item No.: 713-1114/107-047/034-000](#)
1-conductor female connector, 2-row;
CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5
mm; 28-pole; 100% protected against
mismatching; Screw flange; Strain relief pla-
te; direct marking; 1,50 mm²; black



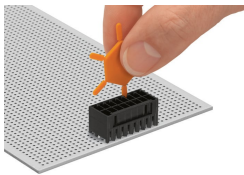
[Item No.: 713-1114/107-9037/034-000](#)
1-conductor female connector, 2-row; CA-
GE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm;
28-pole; 100% protected against mismatch-
ing; Screw flange; Strain relief plate; direct
marking; 1,50 mm²; black

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.