

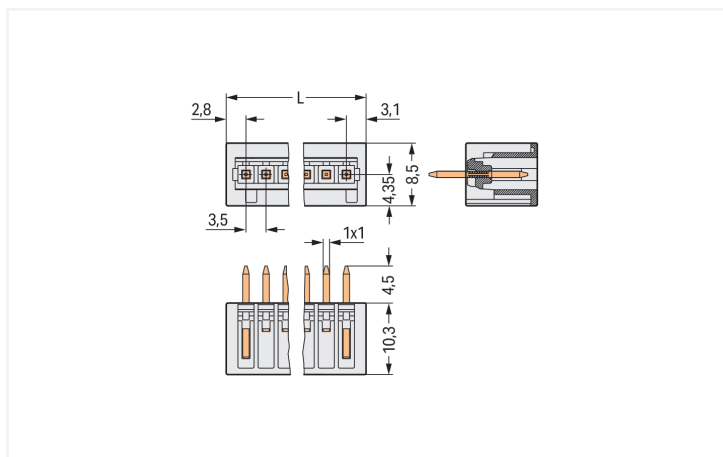
Data Sheet | Item Number: 734-150/046-000

THT male header; 1.0 x 1.0 mm solder pin; straight; 100% protected against mismatching; Pin spacing 3.5 mm; 20-pole; light gray

<https://www.wago.com/734-150/046-000>



Color: ■ light gray



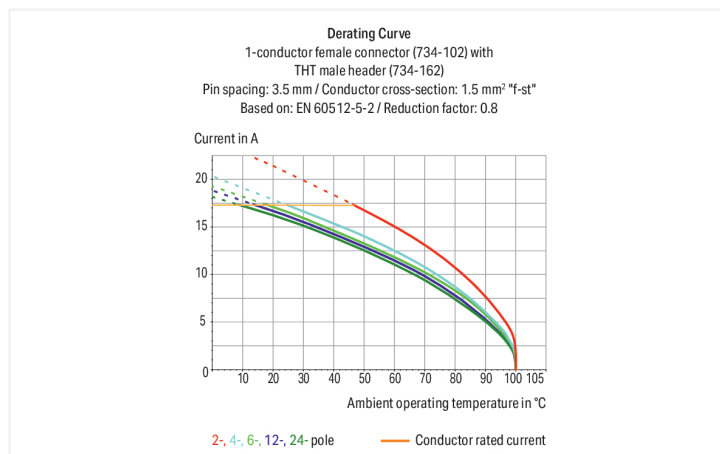
Dimensions in mm

$L = (\text{pole no.} - 1) \times \text{pin spacing} + 5.9 \text{ mm}$

Male connector, 734 Series, light gray

Effortless electrical installations are guaranteed with this male connector (item number 734-150/046-000). The item's dimensions are (72.4 x 14.1 x 8.5) mm (width x height x depth).

Tin is used for coating the contact surfaces. The pcb connector is designed for THT soldering.





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 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		
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	160 V	160 V	320 V	
Rated impulse withstand voltage	2.5 kV	2.5 kV	2.5 kV	
Rated current	10 A	10 A	10 A	
Approvals per		UL 1059		
Use group		B	C	D
Rated voltage		300 V	-	300 V
Rated current		10 A	-	10 A

Approvals per		CSA	
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	10 A	-	10 A

Connection Data		
Total number of potentials	20	
Number of connection types	1	
Number of levels	1	

Connection 1	
Pole number	20

Physical data	
Pin spacing	3.5 mm / 0.138 inches
Width	72.4 mm / 2.85 inches
Height	14.1 mm / 0.555 inches
Height from the surface	8.5 mm / 0.335 inches
Depth	8.5 mm / 0.335 inches
Solder pin length	4.5 mm
Solder pin dimensions	1 x 1 mm
Drilled hole diameter with tolerance	1.4 (+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		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		light gray
Material group		I
Insulation material (main housing)		Polyamide (PA66)
Flammability class per UL94		V0
Contact material		Electrolytic copper (E _{Cu})
Contact Plating		Tin
Fire load		0.073 MJ
Weight		4.5 g

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

Commercial data		
Product Group		3 (Multi Conn. System)
PU (SPU)		50 pcs
Packaging type		Box
Country of origin		DE
GTIN		4050821361985
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 10.0		EC002637
ECCN		NO US CLASSIFICATION



Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates

General approvals			Approvals for marine applications		
					
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CSA DEKRA Certification B.V.	C22.2	1465035	BV Bureau Veritas S.A.	IEC 60998	11915/E0 BV

Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 734-150/046-000	

Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	

CAD/CAE-Data

PCB Design	
Symbol and Footprint via SamacSys 734-150/046-000	
Symbol and Footprint via Ultra Librarian 734-150/046-000	

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket			
			
Item No.: 734-120 1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 20-pole; 100% protected against mismatching; light gray	Item No.: 734-550 THT female header; angled; Pin spacing 3.5 mm; 20-pole; 100% protected against mismatching; 0.9 x 0.9 mm solder pin; light gray	Item No.: 734-550/037-000 THT female header; angled; Pin spacing 3.5 mm; 20-pole; 100% protected against mismatching; Locking lever; 0.9 x 0.9 mm solder pin; light gray	Item No.: 734-480 THT female header; straight; Pin spacing 3.5 mm; 20-pole; 100% protected against mismatching; 0.9 x 0.9 mm solder pin; light gray

1.1.1 Female connector/socket



Item No.: 734-480/037-000
THT female header; straight; Pin spacing 3.5 mm; 20-pole; 100% protected against mismatching; Locking lever; 0.9 x 0.9 mm solder pin; light gray

1.2 Optional Accessories

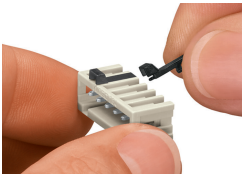
1.2.1 Coding

1.2.1.1 Coding

Item No.: 734-159
Coding key; to be snapped above top level; black

Installation Notes

Coding



Coding a male header – fitting coding key(s).