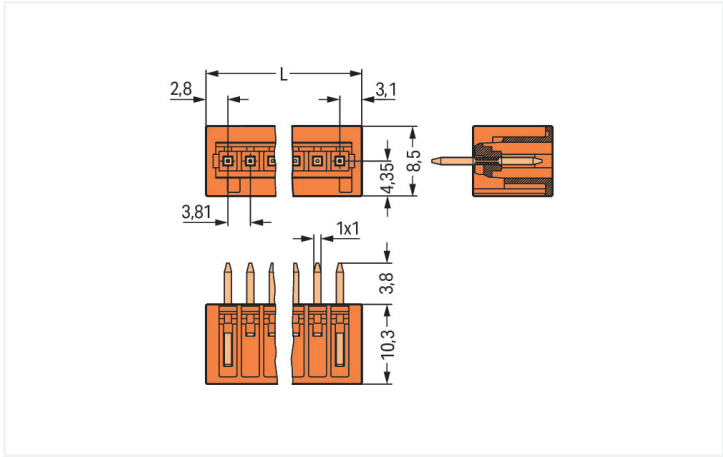
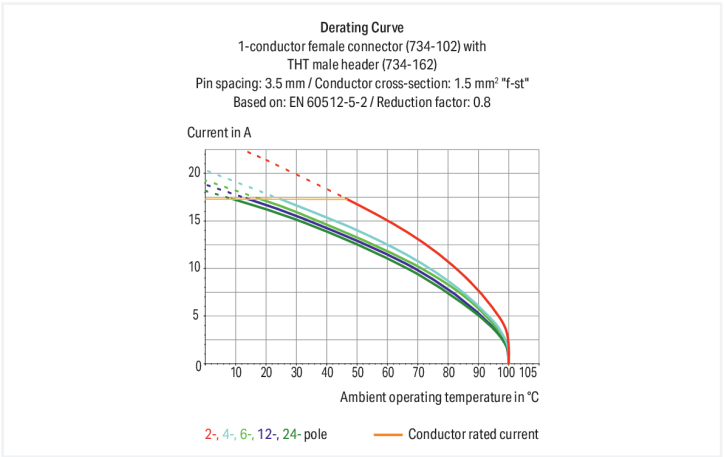


Data Sheet | Item Number: 734-242/046-000
THT male header; 1.0 x 1.0 mm solder pin; straight; 100% protected against mis-mating; Pin spacing 3.81 mm; 12-pole; orange
<https://www.wago.com/734-242/046-000>



Color: ■ orange



Dimensions in mm

Male connector, 734 Series, orange

This male connector (item number 734-242/046-000) simplifies electrical installations. The dimensions are (47.81 x 14.1 x 8.5) mm (width x height x depth).

The contact surface is coated with tin. THT is used to assemble the pcb connector.



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	12	
Number of connection types	1	
Number of levels	1	
Connection 1		
Pole number	12	

Physical data	
Pin spacing	3.81 mm / 0.15 inches
Width	47.81 mm / 1.882 inches
Height	14.1 mm / 0.555 inches
Height from the surface	10.3 mm / 0.406 inches
Depth	8.5 mm / 0.335 inches
Solder pin length	3.8 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

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	orange
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	0.049 MJ
Weight	2.9 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	4045454765224
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
UL Underwriters Laboratories Inc.	UL 1977	E 45171			

Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 734-242/046-000	

Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	

CAD/CAE-Data

PCB Design	
Symbol and Footprint via SamacSys 734-242/046-000	
Symbol and Footprint via Ultra Librarian 734-242/046-000	



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 734-212
1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.81 mm; 12-pole; 100% protected against mismatching; orange



Item No.: 734-572
THT female header; angled; Pin spacing 3.81 mm; 12-pole; 100% protected against mismatching; 0.9 x 0.9 mm solder pin; orange



Item No.: 734-572/037-000
THT female header; angled; Pin spacing 3.81 mm; 12-pole; 100% protected against mismatching; Locking lever; 0.9 x 0.9 mm solder pin; orange



Item No.: 734-512
THT female header; straight; Pin spacing 3.81 mm; 12-pole; 100% protected against mismatching; 0.9 x 0.9 mm solder pin; orange



Item No.: 734-512/037-000
THT female header; straight; Pin spacing 3.81 mm; 12-pole; 100% protected against mismatching; Locking lever; 0.9 x 0.9 mm solder pin; orange

1.2 Optional Accessories

1.2.1 Coding

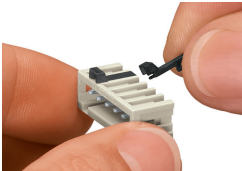
1.2.1.1 Coding



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

Installation Notes

Coding



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