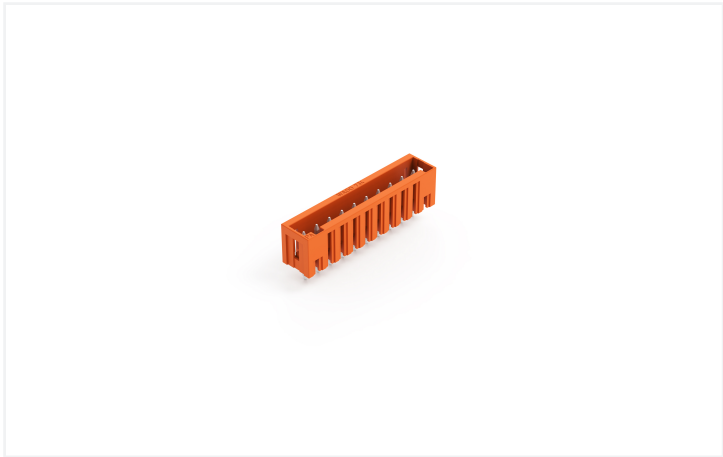
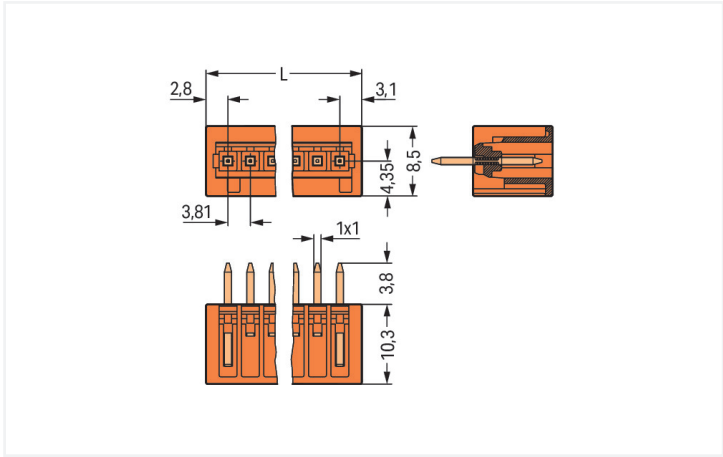
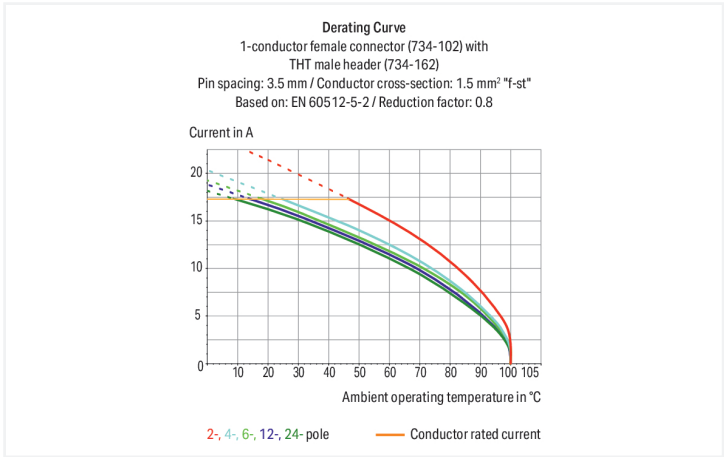




Color: ■ orange



Dimensions in mm

Male connector, 734 Series, solder pin dimensions 1 x 1 mm

This male connector (item number 734-240/046-000) simplifies electrical installations. Dimensions: (40.19 x 14.1 x 8.5) mm (width x height x depth).

Tin is used for coating the contact surfaces. 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		CSA		
Use group	B	C	D	
Rated voltage	300 V	-	300 V	
Rated current	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	

Connection Data				
Total number of potentials	10	Connection 1		
Number of connection types	1	Pole number	10	
Number of levels	1			
Physical data				
Pin spacing	3.81 mm / 0.15 inches			
Width	40.19 mm / 1.582 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		0.041 MJ
Weight		2.4 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		4045454765217
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			↓
734-240/046-000			

Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	↓

CAD/CAE-Data

PCB Design			
Symbol and Footprint via SamacSys			↓
734-240/046-000			
Symbol and Footprint via Ultra Librarian			↓
734-240/046-000			

1 Compatible Products

1.1 System counterpart

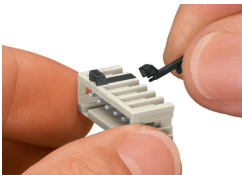
1.1.1 Female connector/socket

			
Item No.: 734-210 1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.81 mm; 10-pole; 100% protected against mismatching; orange	Item No.: 734-570 THT female header; angled; Pin spacing 3.81 mm; 10-pole; 100% protected against mismatching; 0.9 x 0.9 mm solder pin; orange	Item No.: 734-570/037-000 THT female header; angled; Pin spacing 3.81 mm; 10-pole; 100% protected against mismatching; Locking lever; 0.9 x 0.9 mm solder pin; orange	Item No.: 734-510 THT female header; straight; Pin spacing 3.81 mm; 10-pole; 100% protected against mismatching; 0.9 x 0.9 mm solder pin; orange
			
Item No.: 734-510/037-000 THT female header; straight; Pin spacing 3.81 mm; 10-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).