

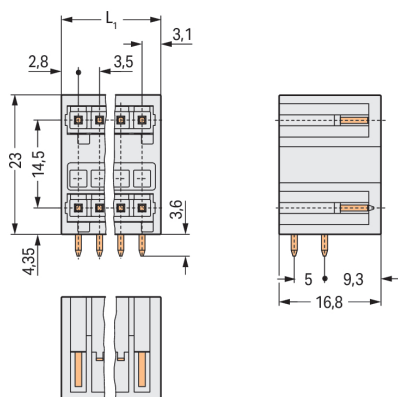
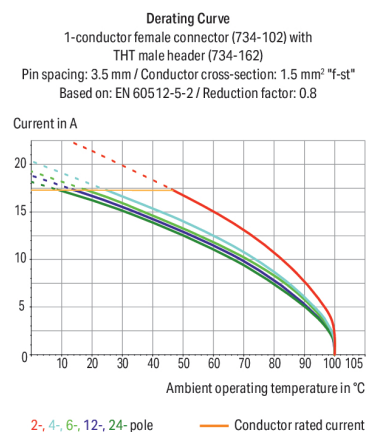
Data Sheet | Item Number: 734-405

THT double-deck male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismating; Pin spacing 3.5 mm; 10-pole; light gray

<https://www.wago.com/734-405>



Color: ■ light gray



Dimensions in mm

$L1 = (\text{pole no.} / 2 - 1) \times \text{pin spacing} + 5.9 \text{ mm}$

Male connector, 734 Series, light gray

This male connector (item number 734-405) simplifies electrical installations. The item's dimensions are (19.9 x 26.6 x 16.8) 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	10
Number of connection types	1
Number of levels	2

Connection 1	
Pole number	10

Physical data	
Pin spacing	3.5 mm / 0.138 inches
Width	19.9 mm / 0.783 inches
Height	26.6 mm / 1.047 inches
Height from the surface	23 mm / 0.906 inches
Depth	16.8 mm / 0.661 inches
Solder pin length	3.6 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		0°

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		0.106 MJ
Weight		5.8 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		4044918872898
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		
 		
Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 61984	2169534.02
CCA DEKRA Certification B.V.	EN 61984	nl-54190
UL Underwriters Laboratories Inc.	UL 1977	E 45171

Approvals for marine applications		
   		
Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	-	24-0095975-PDA
DNV DNV GL SE	-	TAE000016Z
LR Lloyds Register	IEC 61984	96/20035 (E5)
PRS Polski Rejestr Statków	-	TE/1095/880590/23

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 734-405	

Documentation			
Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 734-405	EPLAN Data Portal 734-405
	ZUKEN Portal 734-405

PCB Design	
Symbol and Footprint via SamacSys 734-405	
Symbol and Footprint via Ultra Librarian 734-405	

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 734-105
1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 5-pole; 100% protected against mismatching; 1,50 mm²; light gray

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding



Item No.: 734-400
Coding key; to be snapped above bottom level; light gray



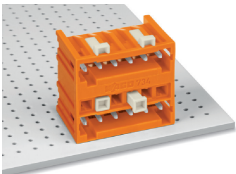
Item No.: 734-159
Coding key; to be snapped above top level; black



Item No.: 734-130
Coding key; to be snapped above top level; white

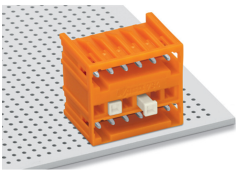
Installation Notes

Coding



Coding a THT double-deck male header.

Coding



Coding a THT double-deck male header – lower level.