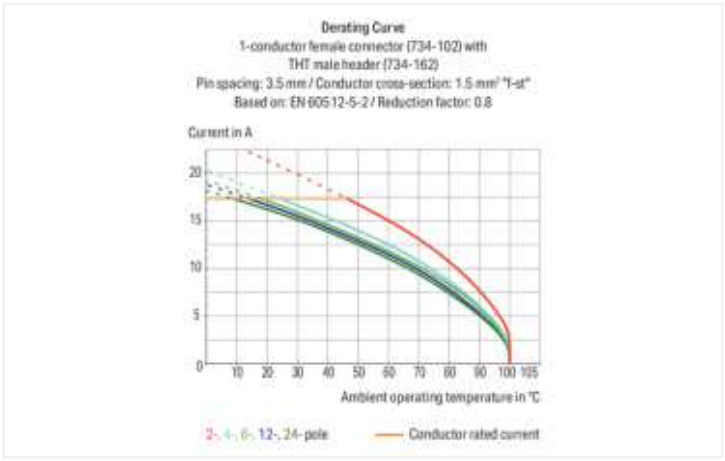
Data Sheet | Item Number: 734-410

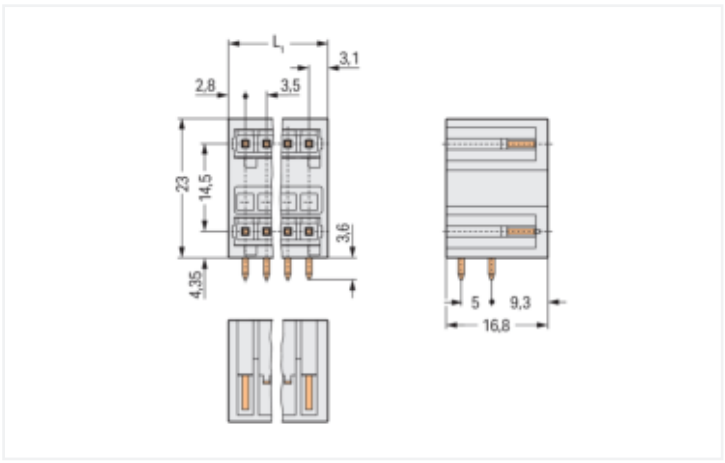
THT double-deck male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismating; Pin spacing 3.5 mm; 20-pole; light gray

https://www.wago.com/734-410





Color: light gray



Dimensions in mm
L1 = (pole no./2 – 1) x pin spacing + 5.9 mm

Male connector, 734 Series, with 3.5 mm pin spacing

Our male connector (item number 734-410) is designed for seamless electrical installations. Dimensions: (37.4 x 26.6 x 16.8) mm (width x height x depth).

Tin is used for coating the contact surfaces. THT is used to solder 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	20
Number of connection types	1
Number of levels	2

Connection 1

Pole number	20

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	37.4 mm / 1.472 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	$1.4^{(+0.1)}$ mm

Mechanical data

Variable coding	Yes
Anti-rotation protection	Yes

Continued on next page

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	0.17 MJ
Weight	10.9 g

Environmental requirements

Limit temperature range	-60 … +100 °C
Processing temperature	-35 … +60 °C

Commercial data

Product Group	3 (Multi Conn. System)
PU (SPU)	50 pcs
Packaging type	Box
Country of origin	DE
GTIN	4044918873017
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

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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
UL Underwriters Laboratories Inc.	UL 1059	UL-US-L45172-6187124-1

Approvals for marine applications

Approval	Standard	Certificate Name
ABS American Bureau of Shipping	-	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 734-410

Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB

CAD/CAE-Data

CAD data

2D/3D Models 734-410

CAE data

EPLAN Data Portal 734-410

ZUKEN Portal 734-410

Continued on next page

PCB Design
Symbol and Footprint via SamacSys 734-410
Symbol and Footprint via Ultra Librarian 734-410

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket

Item No.: 734-110
1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 10-pole; 100% protected against mismating; 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

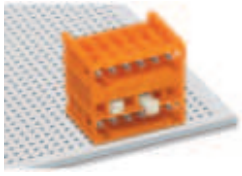
Installation Notes

Coding



Coding a THT double-deck male header.

Coding



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