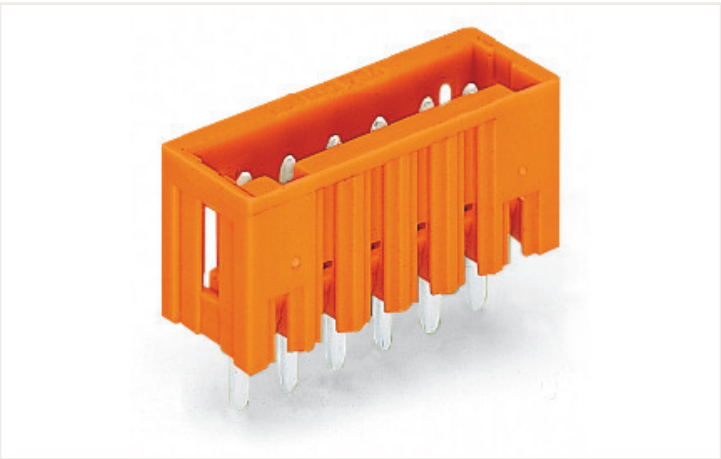


Data sheet | Item number: 734-238

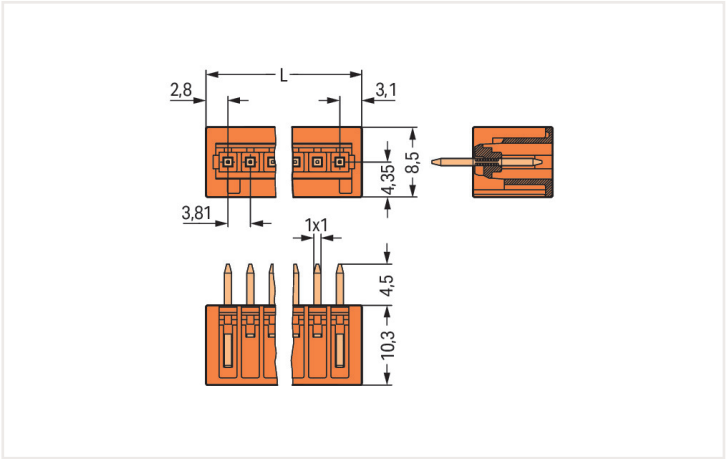
THT male header; 1.0 x 1.0 mm solder pin; straight; 100% protected against mismatching; Pin spacing 3.81 mm; 8-pole; orange

<https://www.wago.com/734-238>

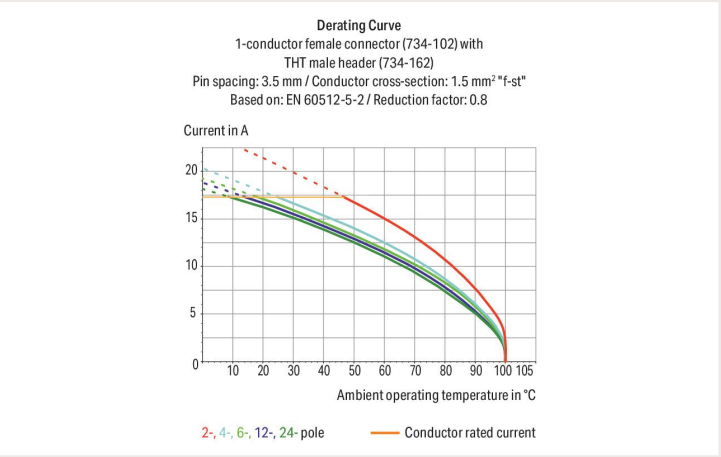


Color: ■ orange

Similar to illustration



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



- Horizontal or vertical PCB mounting via straight or angled solder pins
- 100% protected against mismatching; only mating halves with the same number of poles can be connected together
- Coding option available

Notes	
Safety information 1	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

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	160 V
Rated impulse voltage (III/3)	2.5 kV
Rated voltage (III/2)	160 V
Rated impulse voltage (III/2)	2.5 kV
Nominal voltage (II/2)	320 V
Rated surge voltage (II/2)	2.5 kV
Rated current	10 A
Legend (ratings)	(III / 2) $\triangleq$ Overvoltage category III / Pollution degree 2

Ratings per CSA

Approvals per	CSA
Rated voltage CSA (Use Group B)	300 V
Rated current CSA (Use Group B)	10 A
Rated voltage CSA (Use Group D)	300 V
Rated current CSA (Use Group D)	10 A

Ratings per UL

Approvals per	UL 1059
Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	10 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	10 A

Connection data

Total number of potentials	8
Number of connection types	1
Number of levels	1

Connection 1

Pole number	8
-------------	---

Physical data

Pin spacing	3.81 mm / 0.15 inches
Width	32.57 mm / 1.282 inches
Height	14.8 mm / 0.583 inches
Height from the surface	10.3 mm / 0.406 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
Plugging without loss of pin spacing	No
Mating direction to the PCB	90 °
Locking of plug-in connection	none



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 data can be found here
Color		orange
Material group		I
Insulation material		Polyamide (PA66)
Flammability class per UL94		V0
Contact material		Electrolytic copper (E _{CU})
Contact plating		Tin
Fire load		0.034 MJ
Weight		2 g

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

Commercial data		
Product Group		3 (Multi Conn. System)
eCl@ss 10.0		27-44-04-02
eCl@ss 9.0		27-44-04-02
ETIM 7.0		EC002637
ETIM 6.0		EC002637
PU (SPU)		100 Stück
Packaging type		Box
Country of origin VKOrg Germany		DE
GTIN		4044918847933
Customs tariff number VKOrg Germany		85366990990

Approvals and certificates

Country specific Approvals			Ship Approvals		
			 		
Approval	Standard	Certificate name	Approval	Standard	Certificate name
CB DEKRA Certification B.V.	EN 61984	NL-54190	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE000016Z
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-105522	LR Lloyds Register	IEC 61984	96/20035 (E5)



UL-Approvals



Approval	Standard	Certificate name
UL Underwriters Laboratories Inc.	UL 1977	E 45171

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 734-238



Documentation

Additional Information
Technical Section
03.04.2019
pdf 1949.09 KB



CAD/CAE-Data

CAD data
2D/3D Models 734-238



CAE data
EPLAN Data Portal 734-238
ZUKEN Portal 734-238



1 Compatible products

1.1 System counterpart

1.1.1 Female connector/socket



Item no.: 734-208
1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.81 mm; 8-pole; 100% protected against mismatching; 1,50 mm²; orange



Item no.: 734-208/037-000
1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.81 mm; 8-pole; 100% protected against mismatching; Lateral locking levers; 1,50 mm²; orange



Item no.: 2734-208
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.81 mm; 8-pole; 100% protected against mismatching; 1,50 mm²; orange



Item no.: 2734-208/031-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.81 mm; 8-pole; 100% protected against mismatching; clamping collar; 1,50 mm²; orange



Item no.: 2734-208/037-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.81 mm; 8-pole; 100% protected against mismatching; Lateral locking levers; 1,50 mm²; orange



1.2 Optional accessories

1.2.1 Coding

1.2.1.1 Coding



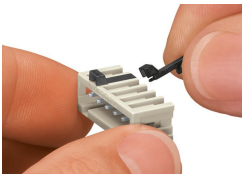
[Item no.: 734-159](#)
Coding key; to be snapped above top level; black



[Item no.: 734-130](#)
Coding key; to be snapped above top level; white

Installation notes

Coding



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