

Data Sheet | Item Number: 734-163

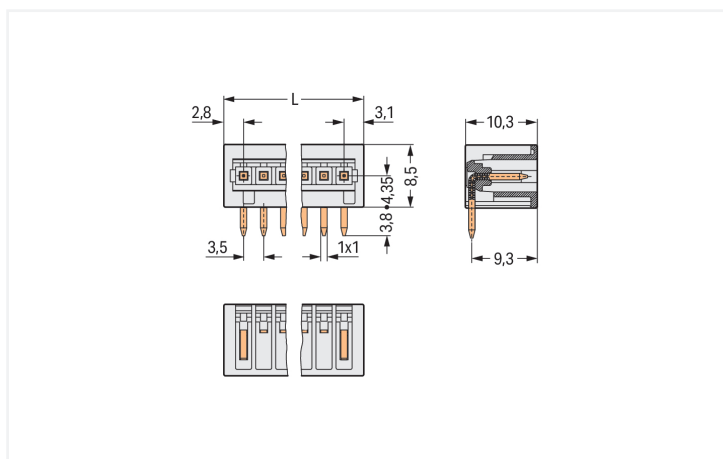
THT male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismating;

Pin spacing 3.5 mm; 3-pole; light gray

<https://www.wago.com/734-163>



Color: ■ light gray



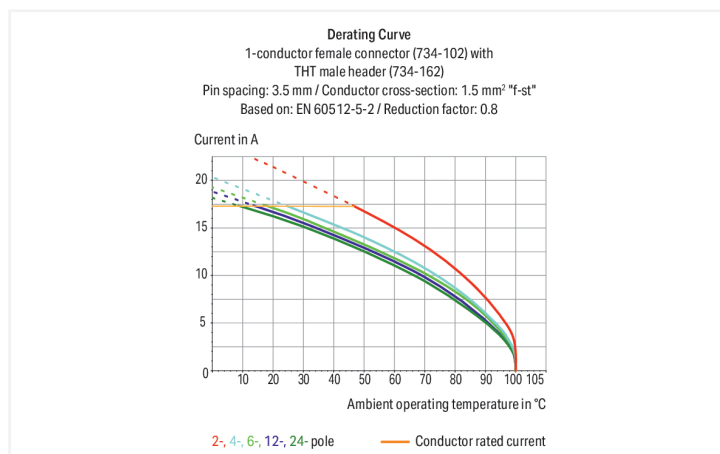
Dimensions in mm

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

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

Our male connector (item number 734-163) is designed for seamless electrical installations. The dimensions are (12.9 x 12.3 x 10.3) mm (width x height x depth).

The contact surface is coated with tin. The pcb connector is designed for THT soldering.



Notes	
Safety Information	The MCS – <i>MULTI CONNECTION SYSTEM</i> 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 3.8 mm pin projection for male headers with straight solder pins 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	3	Connection 1 Pole number3
Number of connection types	1	
Number of levels	1	

Physical data	
Pin spacing	3.5 mm / 0.138 inches
Width	12.9 mm / 0.508 inches
Height	12.3 mm / 0.484 inches
Height from the surface	8.5 mm / 0.335 inches
Depth	10.3 mm / 0.406 inches
Solder pin length	3.8 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



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	0.013 MJ
Weight	0.9 g

Environmental requirements	
Limit temperature range	-60 ... +100 °C
Processing temperature	-35 ... +60 °C

Commercial data	
Product Group	3 (Multi Conn. System)
PU (SPU)	200 pcs
Packaging type	Box
Country of origin	PL
GTIN	4044918872232
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

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Compliance Search

Environmental Product Compliance 734-163

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Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB	↓
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CAD/CAE-Data

CAD data

2D/3D Models 734-163

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CAE data

EPLAN Data Portal 734-163

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ZUKEN Portal 734-163

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PCB Design

Symbol and Footprint via SamacSys 734-163

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Symbol and Footprint via Ultra Librarian 734-163

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1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket

 Item No.: 734-103/037-000 1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 3-pole; 100% protected against mismatching; Lateral locking levers; light gray	 Item No.: 734-103/037-000/032-000 1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 3-pole; 100% protected against mismatching; Lateral locking levers; Strain relief plate; 1,50 mm²; light gray	 Item No.: 734-103 1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 3-pole; 100% protected against mismatching; light gray	 Item No.: 2734-1103/327-000 1-conductor female connector; lever; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 3-pole; 100% protected against mismatching; 1,50 mm²; light gray
 Item No.: 2734-1103/327-047 1-conductor female connector; lever; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 3-pole; 100% protected against mismatching; direct marking; 1,50 mm²; light gray	 Item No.: 2734-1103/327-9037 1-conductor female connector; lever; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 3-pole; 100% protected against mismatching; direct marking; 1,50 mm²; light gray	 Item No.: 2734-1103/038-000 1-conductor female connector; lever; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 3-pole; 100% protected against mismatching; Lateral locking levers; 1,50 mm²; light gray	 Item No.: 2734-1103/038-000/333-000 1-conductor female connector; lever; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 3-pole; 100% protected against mismatching; Lateral locking levers; Strain relief plate; 1,50 mm²; light gray

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1.1.1 Female connector/socket



Item No.: 2734-1103/327-000/333-000
1-conductor female connector; lever; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 3-pole; 100% protected against mis-mating; Strain relief plate; 1,50 mm²; light gray



Item No.: 2734-103/031-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 3-pole; 100% protected against mismating; clamping collar; light gray



Item No.: 2734-103/037-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 3-pole; 100% protected against mismating; Lateral locking levers; light gray



Item No.: 2734-103
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 3-pole; 100% protected against mismating; light gray



Item No.: 734-533
THT female header; angled; Pin spacing 3.5 mm; 3-pole; 100% protected against mis-mating; 0.9 x 0.9 mm solder pin; light gray



Item No.: 734-533/037-000
THT female header; angled; Pin spacing 3.5 mm; 3-pole; 100% protected against mis-mating; Locking lever; 0.9 x 0.9 mm solder pin; light gray



Item No.: 734-463
THT female header; straight; Pin spacing 3.5 mm; 3-pole; 100% protected against mis-mating; 0.9 x 0.9 mm solder pin; light gray



Item No.: 734-463/037-000
THT female header; straight; Pin spacing 3.5 mm; 3-pole; 100% protected against mis-mating; Locking lever; 0.9 x 0.9 mm solder pin; light gray

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding



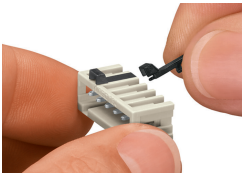
Item No.: 734-159
Coding key; to be snapped above top level; black



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

Installation Notes

Coding



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