

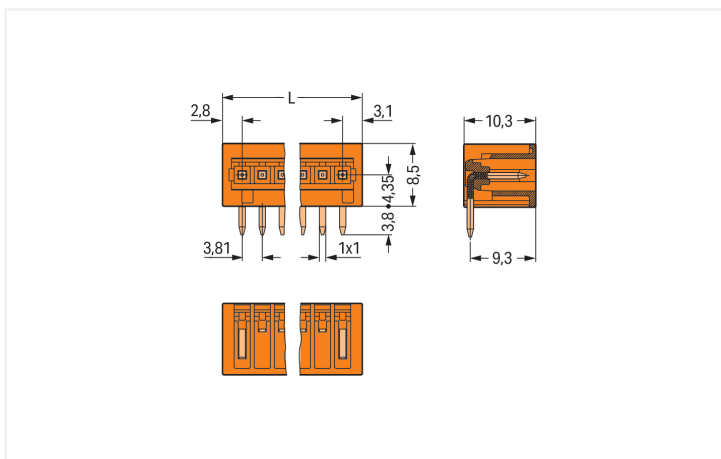
Data Sheet | Item Number: 734-276

THT male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismatching; Pin spacing 3.81 mm; 16-pole; orange

<https://www.wago.com/734-276>



Color: ■ orange



Dimensions in mm

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

Male connector, 734 Series, with 3.81 mm pin spacing

This male connector (item number 734-276) is designed for hassle-free electrical installations. The item's dimensions are (63.05 x 12.3 x 10.3) 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			Approvals per		UL 1059		
Overvoltage category		III	III	II	Use group	B	C	D	
Pollution degree		3	2	2	Rated voltage	300 V	-	300 V	
Nominal voltage		160 V	160 V	320 V	Rated current	10 A	-	10 A	
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

Connection Data

		Connection 1	
Total number of potentials	16	Pole number	16
Number of connection types	1		
Number of levels	1		

Physical data

Pin spacing	3.81 mm / 0.15 inches
Width	63.05 mm / 2.482 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 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	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	0.058 MJ
Weight	4.3 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	PL
GTIN	4044918872690
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

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 734-276

Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB	
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CAD/CAE-Data

CAD data

2D/3D Models 734-276

CAE data

EPLAN Data Portal 734-276

ZUKEN Portal 734-276

PCB Design

Symbol and Footprint via SamacSys 734-276

Symbol and Footprint via Ultra Librarian 734-276

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket

<p>Item No.: 734-216/037-000</p> <p>1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.81 mm; 16-pole; 100% protected against mismatching; Lateral locking levers; orange</p>	<p>Item No.: 734-216</p> <p>1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.81 mm; 16-pole; 100% protected against mismatching; orange</p>	<p>Item No.: 2734-216/027-000</p> <p>1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.81 mm; 16-pole; 100% protected against mismatching; clamping collar; orange</p>	<p>Item No.: 2734-216/031-000</p> <p>1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.81 mm; 16-pole; 100% protected against mismatching; clamping collar; orange</p>
<p>Item No.: 2734-216/037-000</p> <p>1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.81 mm; 16-pole; 100% protected against mismatching; Lateral locking levers; orange</p>	<p>Item No.: 2734-216</p> <p>1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.81 mm; 16-pole; 100% protected against mismatching; orange</p>	<p>Item No.: 734-576</p> <p>THT female header; angled; Pin spacing 3.81 mm; 16-pole; 100% protected against mismatching; 0.9 x 0.9 mm solder pin; orange</p>	<p>Item No.: 734-576/037-000</p> <p>THT female header; angled; Pin spacing 3.81 mm; 16-pole; 100% protected against mismatching; Locking lever; 0.9 x 0.9 mm solder pin; orange</p>

1.1.1 Female connector/socket



Item No.: 734-516

THT female header; straight; Pin spacing 3.81 mm; 16-pole; 100% protected against mismatching; 0.9 x 0.9 mm solder pin; orange

Item No.: 734-516/037-000

THT female header; straight; Pin spacing 3.81 mm; 16-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

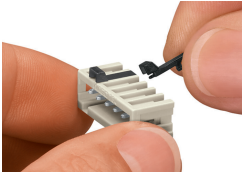
Coding key; to be snapped above top level; black

Item No.: 734-130

Coding key; to be snapped above top level; white

Installation Notes

Coding



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