

Data sheet | Item number: 734-178

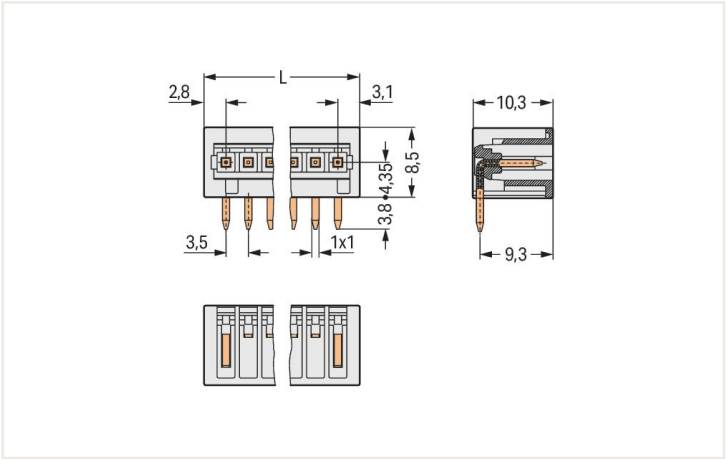
THT male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismatching; Pin spacing 3.5 mm; 18-pole; light gray

<https://www.wago.com/734-178>

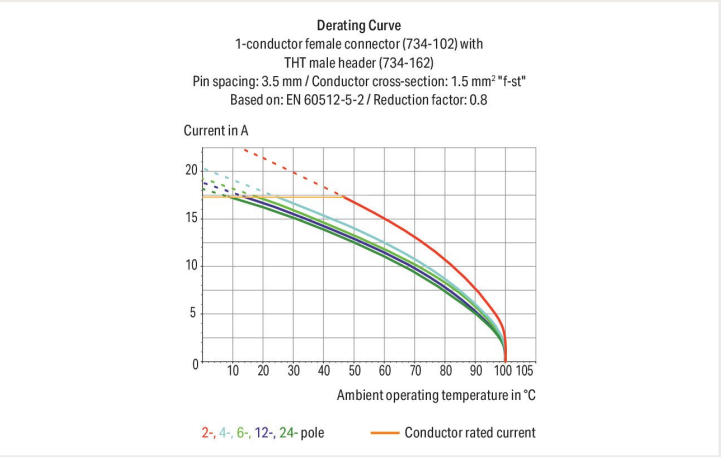


Color: light gray

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 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

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	18
Number of connection types	1
Number of levels	1

Connection 1

Pole number	18
-------------	----

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	65.4 mm / 2.575 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
Plugging without loss of pin spacing	No
Mating direction to the PCB	0 °
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		light gray
Material group		I
Insulation material		Polyamide (PA66)
Flammability class per UL94		V0
Contact material		Electrolytic copper (E _{Cu})
Contact plating		Tin
Fire load		0.067 MJ
Weight		4.6 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)		50 Stück
Packaging type		Box
Country of origin VKOrg Germany		DE
GTIN		4044918872454
Customs tariff number VKOrg Germany		85366990990




Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 734-178	

Documentation







Additional Information			
Technical Section	03.04.2019	pdf 1949.09 KB	

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 734-178 	EPLAN Data Portal 734-178 
	ZUKEN Portal 734-178 

1 Compatible products

1.1 System counterpart



1.1.1 Female connector/socket

 Item no.: 734-118 1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 18-pole; 100% protected against mismatching; 1,50 mm²; light gray	 Item no.: 734-118/037-000 1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 18-pole; 100% protected against mismatching; Lateral locking levers; 1,50 mm²; light gray	 Item no.: 734-118/037-000/036-000 1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 18-pole; 100% protected against mismatching; Lateral locking levers; Strain relief plate; 1,50 mm²; light gray	 Item no.: 2734-118 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 18-pole; 100% protected against mismatching; 1,50 mm²; light gray
 Item no.: 2734-118/027-000 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 18-pole; 100% protected against mismatching; clamping collar; 1,50 mm²; light gray	 Item no.: 2734-118/037-000 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 18-pole; 100% protected against mismatching; Lateral locking levers; 1,50 mm²; light gray		

1.2 Optional accessories

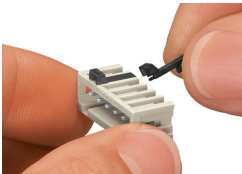
1.2.1 Coding

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).