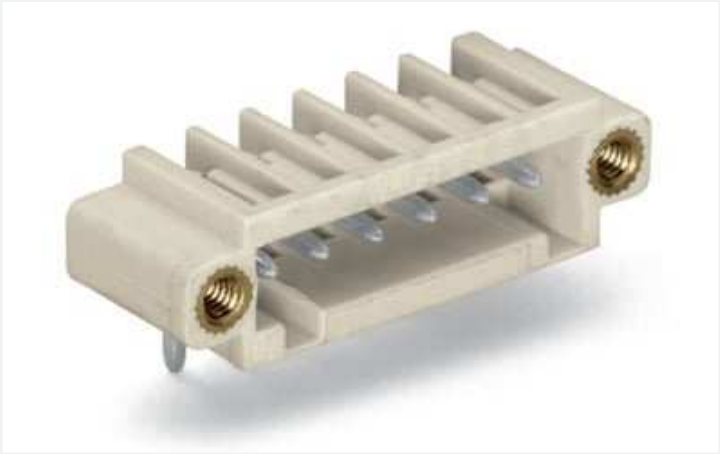
Data Sheet | Item Number: 734-167/108-000

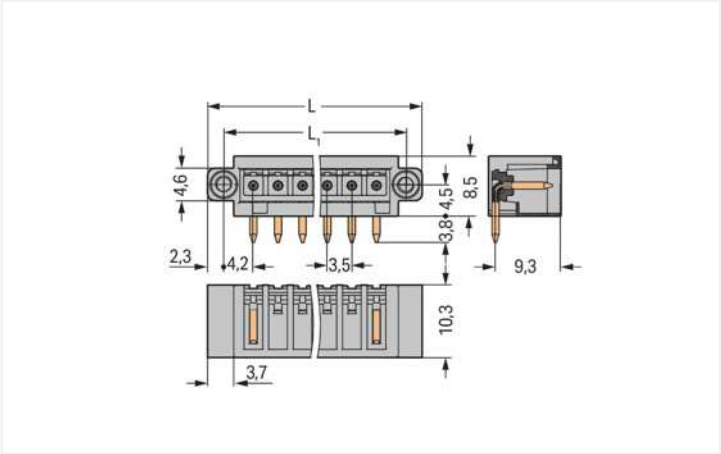
THT male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismating; Threaded flange; Pin spacing 3.5 mm; 7-pole; light gray

https://www.wago.com/734-167/108-000

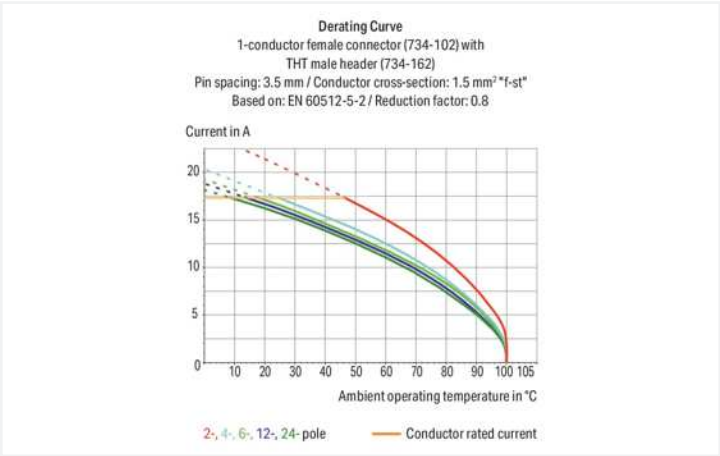


Color: light gray

Similar to illustration



Dimensions in mm
L = (pole no. x pin spacing) + 9.5 mm
L1 = (pole no. x pin spacing) + 4.9 mm



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

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 surge 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	7
Number of connection types	1
Number of levels	1

Connection 1

Pole number	7

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	34 mm / 1.339 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 °
Locking of plug-in connection	Threaded flange

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	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E_{Cu})
Contact plating	Tin
Fire load	0.037 MJ
Weight	2.5 g

Continued on next page

Environmental requirements

Limit temperature range	-60 … +100 °C
Processing temperature	-35 … +60 °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 8.0	EC002637
ETIM 7.0	EC002637
PU (SPU)	100 pcs
Packaging type	Box
Country of origin	PL
GTIN	4045454759124
Customs tariff number	85366930000

Environmental Product Compliance

CAS-No.	7439-92-1
REACH Candidate List Substance	Lead
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c)
SCIP notification number (Austria)	81d712e2-7b17-4ea8-a53f-d94ab625e961
SCIP notification number (Belgium)	f70a287b-5633-4335-bc59-4084e8d665d5
SCIP notification number (Bulgaria)	27d935c1-4991-4562-af68-2cda615be2d0
SCIP notification number (Czech Republic)	0173742f-4de8-401c-b24d-1258238023dc
SCIP notification number (Denmark)	11c5b906-48de-48d8-8b70-5b7e0955133c
SCIP notification number (Finland)	7b259750-c736-40b9-ad09-4c9413400765
SCIP notification number (France)	1df7d4bc-695e-4d98-83f5-21cb918fb80f
SCIP notification number (Germany)	babfe6d0-b08f-4ad2-8c09-9c61098c7436
SCIP notification number (Hungary)	b4abfc21-5c2b-4948-81e4-3188fd6b4056
SCIP notification number (Italy)	ba962703-131c-44c6-8d62-02eed2e8dc5e
SCIP notification number (Netherlands)	99be879c-8935-46b1-b1ec-417afe86b896
SCIP notification number (Poland)	e0eec981-accd-4871-996c-0c2b8697e3ab
SCIP notification number (Romania)	257cef5f-8c01-42b4-97bd-333e0cac2c7f
SCIP notification number (Sweden)	5c5ccd02-128d-43ec-b380-e76b437ba698

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 734-167/108-000

Documentation

 Continued on next page

Additional Information		
Technical Section	03.04.2019	pdf 1949.09 KB

CAD/CAE-Data

CAD data	CAE data
2D/3D Models 734-167/108-000	ZUKEN Portal 734-167/108-000

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 734-107/107-000
1-conductor female connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 7-pole; 100% protected against mismating; Screw flange; 1,50 mm²; light gray



Item No.: 2734-107/107-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 7-pole; 100% protected against mismating; Screw flange; 1,50 mm²; light gray

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding



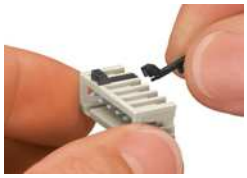
Item No.: 734-159
Coding key; to be snapped above top level; black



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

Installation Notes

Coding



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