

Data sheet | Item number: 734-436

THT double-deck male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismatching; Pin spacing 3.81 mm; 12-pole



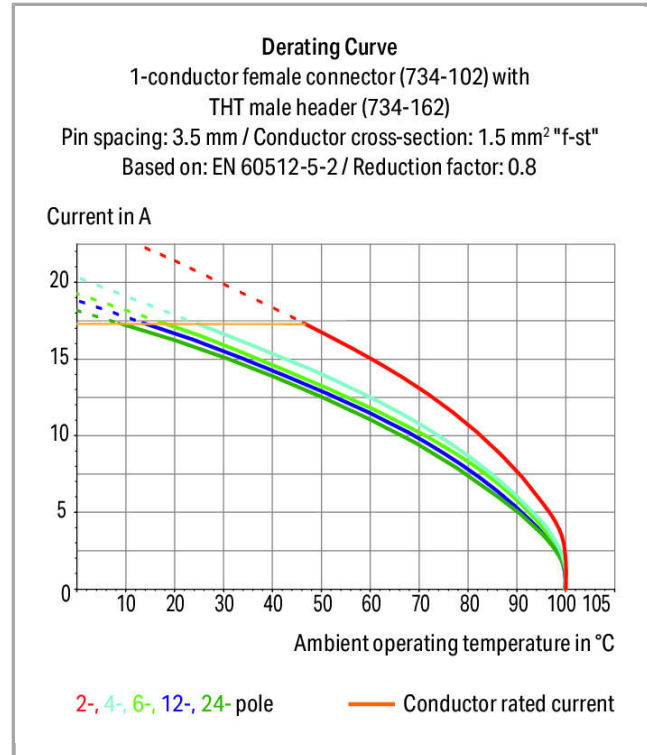
734-436

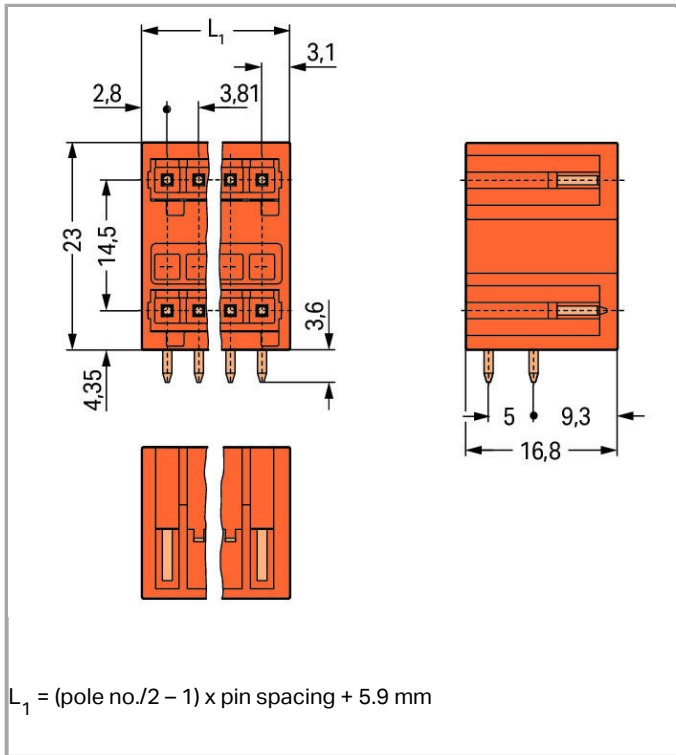


RoHS Compliant

[BOMcheck.net](https://www.bomcheck.net)

Color: ■





Item description

- 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 via coding fingers

Safety information 1:

The *MULTI CONNECTION SYSTEM (MCS)* is designed without breaking capacity for compliance with DIN EN 61984. When used as intended, MCS Connectors shall 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.

Data

Electrical data

Ratings per IEC/EN 60664-1

Rated 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
Rated voltage (II / 2)	320 V
Rated impulse voltage (II / 2)	2.5 kV
Rated current	10 A

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

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

Connection data

No. of poles	12
Total number of potentials	12
Number of connection types	1
Number of levels	2

Geometrical Data

Pin spacing	3.81 mm / 0.15 inch
Width	24.95 mm / 0.982 inch
Height	26.6 mm / 1.047 inch
Height from the surface	23 mm / 0.906 inch
Depth	16.8 mm / 0.661 inch
Solder pin length	3.6 mm
Solder pin dimensions	1 x 1 mm
Drilled hole diameter (tolerance)	1.4 ^(-...+0.1) mm

Plug connection

Contact type (pluggable connector)	Male connector/plug
Connector connection type	for PCBs
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

Color	orange
Material group	I
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E _{Cu})
Contact plating	tin-plated
Fire load	0.137 MJ
Weight	6.95 g

Environmental Requirements



Limit temperature range	-60 ... +100 °C
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Commercial data


Product Group	3 (Multi Conn. System)
Country of origin	DE
GTIN	4044918873185
Customs Tariff No.	85366990990

Approvals / Certificates

Country specific Approvals




Logo	Approval	Additional Approval Text	Certificate name
	CB DEKRA Certification B.V.	EN 61984	NL-54190
	CSA DEKRA Certification B.V.	C22.2	1465035
	KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-105522

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UR Underwriters Laboratories Inc.	UL 1059	20190122-E45172

Compatible products

Coding

	Item no.: 734-130 Coding key; to be snapped above top level	734-130
	Item no.: 734-159 Coding key; to be snapped above top level	734-159
	Item no.: 734-400 Coding key; to be snapped above bottom level	734-400

Downloads

Documentation

Additional Information

pdf
3.6 MB [Download](#)

CAD/CAE - Smart Data

CAD data

3D Download 734-436 [URL](#) [Download](#)

Subject to changes.