



Color: —

Derating Curve

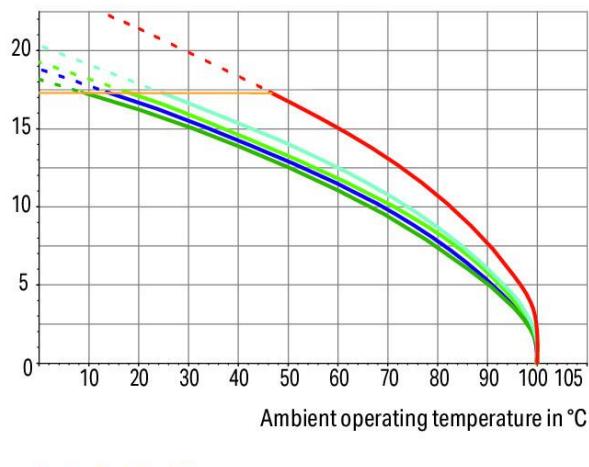
1-conductor female connector (734-102) with

THT male header (734-162)

Pin spacing: 3.5 mm / Conductor cross-section: 1.5 mm² "f-st"

Based on: EN 60512-5-2 / Reduction factor: 0.8

Current in A



2-, 4-, 6-, 12-, 24-pole

Conductor rated current

Subject to changes. Please also observe the further product documentation!

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Hansastraße 27

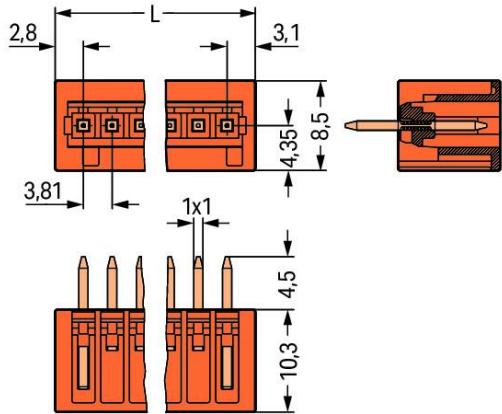
32423 Minden

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Dimensions in mm

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

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 option available

Data 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

Subject to changes. Please also observe the further product documentation!

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 UL 1059

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

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

Connection data

Total number of potentials	6
Number of connection types	1
Number of levels	1

Connection 1

Pole number	6
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Physical data

Pin spacing	3.81 mm / 0.15 inches
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Width	24.95 mm / 0.982 inches
Height	14.8 mm / 0.583 inches
Height from the surface	10.3 mm / 0.406 inches
Depth	8.5 mm / 0.335 inches
Solder pin length	4.5 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	90 °
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 specifications can be found here
Color	orange
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	VO
Contact material	Electrolytic copper (E _{Cu})
Contact plating	Tin
Fire load	0.026 MJ

Subject to changes. Please also observe the further product documentation!

Weight

1.5 g

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	DE
GTIN	4044918847919
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates**General approvals**

Logo	Approval	Additional Approval Text	Certificate name
	CB	EN 61984	NL-54190
	DEKRA Certification B.V.		
	KEMA/KEUR	EN 61984	71-105522
	DEKRA Certification B.V.		
	UL	UL 1977	E 45171
	Underwriters Laboratories Inc.		

Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name

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Railway
WAGO GmbH & Co. KG

Railway
Ready

Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE000016Z
	LR Lloyds Register	IEC 61984	96/20035 (E5)

Counterpart

	Item no.734-206 1-conductor female connector; CAGE CLAMP®; 1.5 mm ² ; Pin spacing 3.81 mm; 6-pole; 100% protected against mismatching; 1,50 mm ² ; orange	www.wago.com/734-206
	Item no.2734-206/031-000 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm ² ; Pin spacing 3.81 mm; 6-pole; 100% protected against mismatching; clamping collar; 1,50 mm ² ; orange	www.wago.com/2734-206/031-000
	Item no.2734-206 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm ² ; Pin spacing 3.81 mm; 6-pole; 100% protected against mismatching; 1,50 mm ² ; orange	www.wago.com/2734-206
	Item no.2734-206/037-000 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm ² ; Pin spacing 3.81 mm; 6-pole; 100% protected against mismatching; Lateral locking levers; 1,50 mm ² ; orange	www.wago.com/2734-206/037-000
	Item no.734-206/037-000 1-conductor female connector; CAGE CLAMP®; 1.5 mm ² ; Pin spacing 3.81 mm; 6-pole; 100% protected against mismatching; Lateral locking levers; 1,50 mm ² ; orange	www.wago.com/734-206/037-000

Optional accessories

Coding		
Coding		
	Item no.: 734-159 Coding key; to be snapped above top level; black	www.wago.com/734-159

Item no.: 734-130

Subject to changes. Please also observe the further product documentation!



Coding key; to be snapped above top level; white

www.wago.com/734-130

Downloads

Documentation

Additional Information

Technical Section

2019年4月3日

pdf

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Technical explanations

2.0 MB

CAD/CAE-Data

CAD data

2D/3D Models 734-236

URL

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CAE data

EPLAN Data Portal 734-236

URL

Download

ZUKEN Portal 734-236

URL

Download

PCB Design

Symbol and Footprint 734-236

URL

Download

CAx data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.

Supported formats:

- Accel EDA 14 & 15
- Altium 6 to current version
- Cadence Allegro
- DesignSpark
- Eagle Libraries
- KiCad
- Mentor Graphics BoardStation
- Mentor Graphics Design Architect
- Mentor Graphics Design Expedition 99 and 2000
- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X

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Subject to changes. Please also observe the further product documentation!

- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 734-236

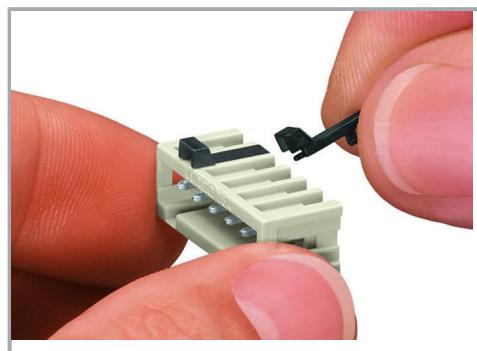
URL

Download

THT male header; 1.0 x 1.0 mm solder pin; straight; 100% protected against
mismating; Pin spacing 3.81 mm; 6-pole; orange

Installation Notes

Coding



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

Product family

MCS MINI

[Show all products from the family](#)

Subject to changes. Please also observe the further product documentation!

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