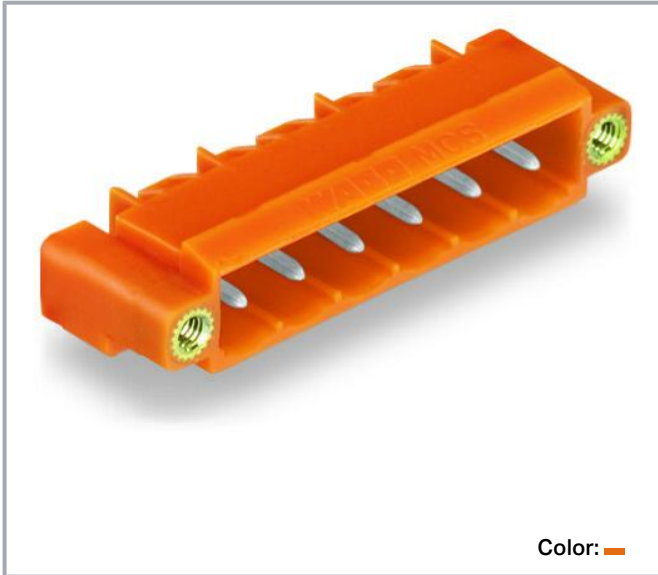


Data sheet | Item number: 231-536/108-000

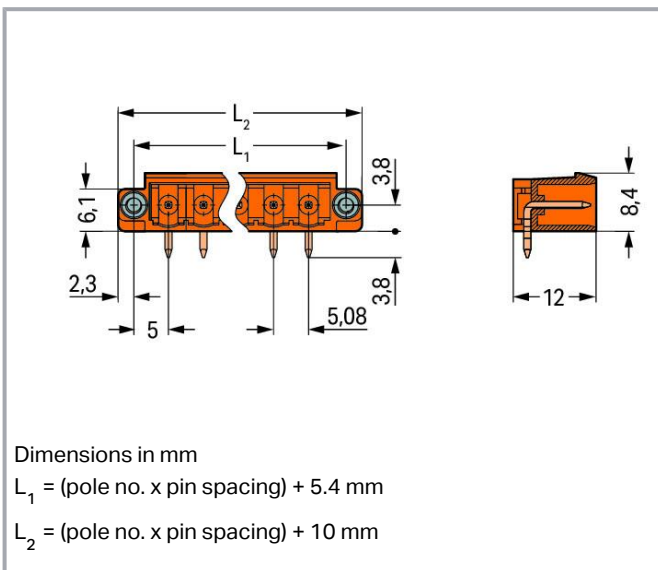
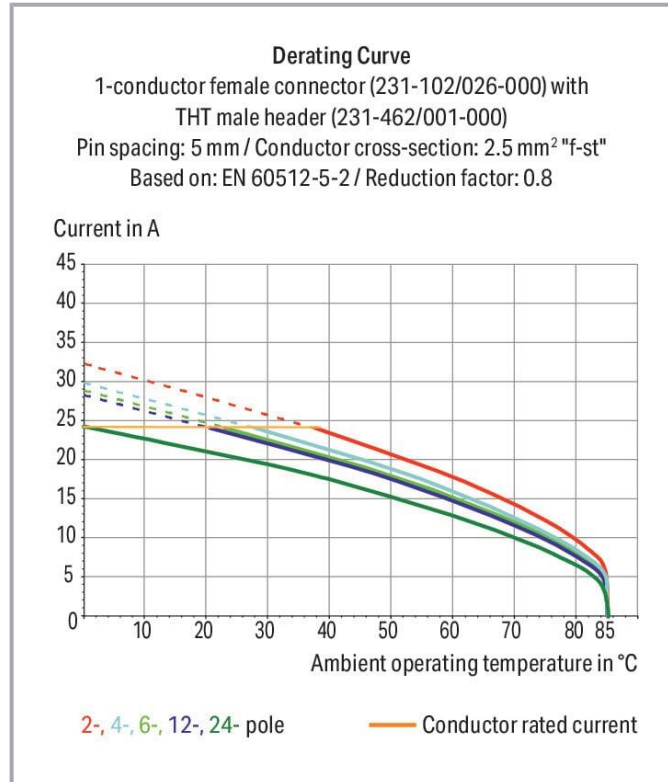
THT male header; 1.0 x 1.0 mm solder pin; angled; Threaded flange; Pin spacing 5.08 mm; 6-pole; orange



[www.wago.com/231-536/108-000](http://www.wago.com/231-536/108-000)



Color: 



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

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## Item description

- Horizontal or vertical PCB mounting via straight or angled solder pins
- Pin cross-section: 1 x 1 mm
- With coding fingers

## 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  
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)	320 V
Rated impulse voltage (III/3)	4 kV
Rated voltage (III/2)	320 V
Rated impulse voltage (III/2)	4 kV
Nominal voltage (II/2)	630 V
Rated surge voltage (II/2)	4 kV
Rated current	12 A
Legend (ratings)	(III / 2) ≙ Overvoltage category III / Pollution degree 2

### 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

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Rated current UL (Use Group D)	10 A
--------------------------------	------

### Ratings per UL 1977

Rated voltage (UL 1977)	600 V
Rated current UL 1977	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
-------------	---

### Physical data

Pin spacing	5.08 mm / 0.2 inches
Width	40.48 mm / 1.594 inches
Height	12.2 mm / 0.48 inches
Height from the surface	8.4 mm / 0.331 inches
Depth	12 mm / 0.472 inches
Solder pin length	3.8 mm
Solder pin dimensions	1 x 1 mm
Drilled hole diameter with tolerance	1.4 <sup>(+0.1)</sup> mm

### Mechanical Data

Variable coding	Yes
Anti-rotation protection	Yes

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



## Plug-in connection

Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for PCB
Mismating protection	No
Plugging without loss of pin spacing	No
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	orange
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E <sub>Cu</sub> )
Contact plating	Tin
Fire load	0.048 MJ
Weight	2.7 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

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ECCN	NO DATA
PU (SPU)	100 pcs
Packaging type	box
Country of origin	PL
GTIN	4044918867023
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)	f037a44a-29db-49dd-84e7-cd9254e8c55c
SCIP notification number (Belgium)	91fdf483-48ef-446e-964f-c76edce09688
SCIP notification number (Bulgaria)	a3bdfb9d-9c0d-4114-bcb2-38e69fcada30
SCIP notification number (Czech Republic)	946436fd-f009-494a-8393-811bc3cf7253
SCIP notification number (Denmark)	f6ca38de-6cd4-44ac-9569-39a961673700
SCIP notification number (Finland)	d7364a5a-e715-4ee3-80f1-a4ef304c5061
SCIP notification number (France)	61e76497-bd45-4303-abe7-cbd500693940
SCIP notification number (Germany)	4e807352-f8a7-4a93-a9ee-71d15ed5b45c
SCIP notification number (Hungary)	7ae28442-3579-4530-8b21-36784bc1e393
SCIP notification number (Italy)	5943821b-0b7a-4758-850e-e0b7682d9607
SCIP notification number (Netherlands)	173465a9-ef39-4282-b54d-e75ec9c7d9f1
SCIP notification number (Poland)	f6d69999-354b-49e0-87d5-218e675caa61
SCIP notification number (Romania)	7de1ddd6-0877-407e-8337-05a74cbc31ab
SCIP notification number (Sweden)	d495d035-b268-4c5b-8117-7a12d82a054b

## Approvals / Certificates

### General approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>CB</b> DEKRA Certification B.V.	IEC 61984	NL-39756/A1
	<b>CCC</b> CQC	GB/T 13140.1	CQC03003003013
	<b>CSA</b> DEKRA Certification B.V.	C22.2	1466354

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KEMA/KEUR

EN 61984

71-121453



DEKRA Certification B.V.



UL

UL 1977

E45171

UL International Germany GmbH




UR

UL 1059


E45172

Underwriters Laboratories Inc.

#### Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	<b>Railway</b> WAGO GmbH & Co. KG	-	Railway Ready

#### Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
	<b>BV</b> Bureau Veritas S.A.	IEC 60998	11915/D0 BV

#### Counterpart



Item no.231-306/107-000

1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 6-pole; Screw flange; 2,50 mm²; orange

[www.wago.com/231-306/107-000](http://www.wago.com/231-306/107-000)



Item no.231-2306/107-000

2-conductor female connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 6-pole; Screw flange; 2,50 mm²; orange

[www.wago.com/231-2306/107-000](http://www.wago.com/231-2306/107-000)



Item no.2231-306/107-000

[www.wago.com/2231-306](http://www.wago.com/2231-306)

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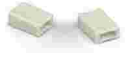
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1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm<sup>2</sup>; Pin spacing 5.08 mm; 6- /107-000 pole; Screw flange; 2,50 mm<sup>2</sup>; orange

## Optional accessories

### Coding

Intermediate plate



**Item no.: 231-500**

Spacer; for formation of groups; light gray

[www.wago.com/231-500](http://www.wago.com/231-500)

Coding



**Item no.: 231-129**

Coding key; snap-on type; light gray

[www.wago.com/231-129](http://www.wago.com/231-129)

## Downloads

### Documentation

#### Additional Information

Technical Section Technical explanations	2019 Apr 3	pdf 2.1 MB	Download
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## CAD/CAE-Data

### CAD data

2D/3D Models 231-536/108-000	URL	Download
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### CAE data

EPLAN Data Portal 231-536/108-000	URL	Download
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EPLAN Data Portal 231-536/108-000	URL	Download
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ZUKEN Portal 231-536/108-000	URL	Download
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### PCB Design

Symbol and Footprint via Ultra Librarian 231-536/108-000	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

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



- Altair
- Altium 6 to current version
- Autodesk Fusion 360
- 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
- 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
- Zuken eCADSTAR 2020 and 2021Zuken CR-5000 and CR-8000

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

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Symbol and Footprint via SamacSys 231-536/108-000

[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:

- 3D (stp)
- Altium
- CADSTAR
- Capture
- CircuitStudio

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- CR-5000
- CR-8000
- DEHDL
- DesignSpark PCB
- DesignSpark PCB PRO
- DipTrace
- EAGLE
- Easy-PC
- EasyEDA
- eCADSTAR
- KiCad
- OrCAD\_Allegro16
- PADS
- Proteus
- Pulsonix
- Quadcept
- SOLIDWORKS PCB
- TARGET 3001!
- xDX Designer
- Xpedition

PCB Component Libraries (EDA), PCB CAD Library SamacSys Electronic Component Search Engine

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#### Asset Administration Shell

Asset Administration Shell 231-536/108-000	<a href="#">URL</a>	<a href="#">Download</a>
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#### Environmental Product Compliance

##### Compliance Search

Environmental Product Compliance 231-536/108-000	<a href="#">URL</a>	<a href="#">Download</a>
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THT male header; 1.0 x 1.0 mm solder pin; angled; Threaded flange; Pin spacing 5.08 mm; 6-pole; orange

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#### Installation Notes

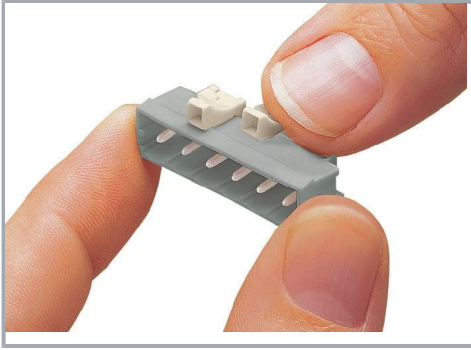
##### Coding

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

## Product family

**MCS MIDI Classic**

[Show all products from the family](#)

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