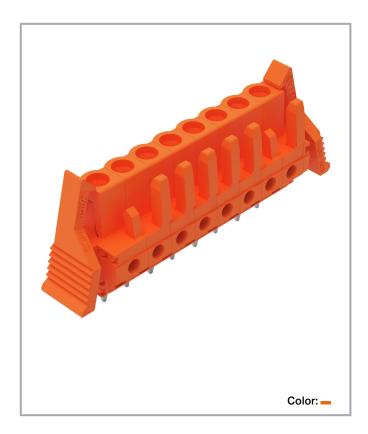
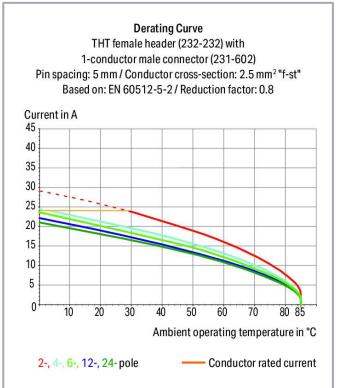
THT female header; straight; Pin spacing 5.08 mm; 8-pole; Locking lever; 0.6

x 1.0 mm solder pin; orange

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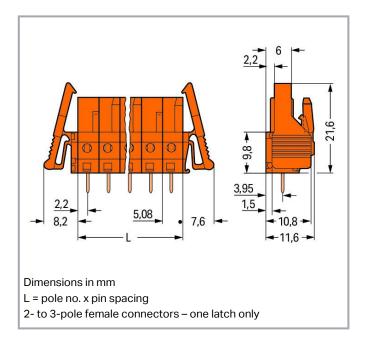
 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$

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Item description

- Horizontal or vertical PCB mounting via straight or angled solder pins
- For board-to-board and board-to-wire connections
- Touch-proof PCB outputs
- Easy-to-identify PCB inputs and outputs
- 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/.

 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$

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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)	15 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	10 A

Ratings per UL 1977

Rated voltage (UL 1977)	600 V
Rated current UL 1977	15 A

Ratings per CSA

Approvals per	CSA
Rated voltage CSA (Use Group B)	300 V
Rated current CSA (Use Group B)	15 A
Rated voltage CSA (Use Group D)	300 V
Rated current CSA (Use Group D)	10 A

Connection data

Connection points	8
Total number of potentials	8
Number of connection types	1
Number of levels	1

 $\label{thm:continuity} \textbf{Subject to changes. Please also observe the further product documentation!}$

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Connection 1

Pole number 8

Physical data

Pin spacing	5.08 mm / 0.2 inches
Width	56.44 mm / 2.222 inches
Height	26.6 mm / 1.047 inches
Height from the surface	21.6 mm / 0.85 inches
Depth	11.6 mm / 0.457 inches
Solder pin length	5 mm
Solder pin dimensions	0.6 x 1 mm
Drilled hole diameter with tolerance	1.3 ^(+0.1) mm

Mechanical data

Variable coding	Yes
Anti-rotation protection	Yes

Plug-in connection

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for PCB
Mismating protection	No
Plugging without loss of pin spacing	No
Mating direction to the PCB	90 °
Locking of plug-in connection	locking lever

PCB contact

PCB contact	THT
Solder pin arrangement	over the entire female 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
Color	orange

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Material group	T.
Insulation material	Polyamide (PA66)
Flammability class per UL94	VO
Contact material	Copper alloy
Contact plating	Tin
Fire load	0.149 MJ
Weight	8.3 g

Environmental requirements

Limit temperature range	-60 +85 °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
ECCN	NO DATA
PU (SPU)	50 pcs
Packaging type	box
Country of origin	DE
GTIN	4044918624138
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status Compliant,No Ex	emption
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Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
71 °	UL UL International Germany GmbH	UL 1977	E45171
	UR	UL 1059	E45172

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Underwriters Laboratories Inc.

WAGO GmbH & Co. KG

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Declarations	of conformity and manufacturer's declaration	ns	
			Certificate
Logo	Approval	Additional Approval Text	name
	Railway	-	Railway
RAILWAY READY	WAGO GmbH & Co. KG		Ready
Approvals for	marine applications		Certificate
	A	A LEG COLA CONTRACTOR	
Logo	Approval	Additional Approval Text	name
ABS.	ABS	-	19-
	American Bureau of Shipping		HG15869876-
TAT RONED PRO			PDA
(VIII)	BV	IEC 60998	11915/D0 BV
	Bureau Veritas S.A.		

Counterpart

VERITAS

DNV



Item no.231-638

DNV

DNV GL SE

1-conductor male connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 8-pole; 2,50 mm²; orange

www.wago.com/231-638

TAE000016Z

Optional accessories

Testing and measuring

Testing accessories



Item no.: 231-661

Test plugs for female connectors; for 5 mm and 5.08 mm pin spacing; 2,50 mm²; light gray

www.wago.com/231-661

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Documentation

Additional Information

Technical Section	2019 年4月3日	pdf	Download
Technical explanations		2.1 MB	

CAD/CAE-Data

CAD data

2D/3D Models 232-168/039-000	URL	Download
CAE data		
EPLAN Data Portal 232-168/039-000	URL	Download
ZUKEN Portal 232-168/039-000	URL	Download
EPLAN Data Portal 232-168/039-000	URL	Download

PCB Design

Symbol and Footprint via Ultra Librarian 232-168/039-000

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
- 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

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- 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

Symbol and Footprint via SamacSys 232-168/039-000

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
- CR-5000
- CR-8000
- DEHDL
- DesignSpark PCB
- DesignSpark PCB PRO
- DipTrace
- EAGLE
- Easy-PC
- EasyEDA
- eCADSTAR
- KiCad
- OrCAD_Allegro16

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- PADS
- Proteus
- Pulsonix
- Quadcept
- SOLIDWORKS PCB
- TARGET 3001!
- xDX Designer
- Xpedition

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

Asset Administration Shell

Asset Administration Shell 232-168/039-000

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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 232-168/039-000

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Download

THT female header; straight; Pin spacing 5.08 mm; 8-pole; Locking lever; 0.6 x 1.0 mm solder pin; orange

Installation Notes

Product family

MCS MIDI Classic

Show all products from the family

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