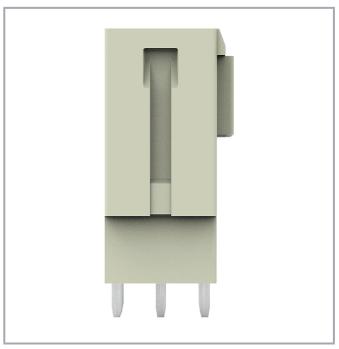
THT male header; 1.0 x 1.2 mm solder pin; straight; 100% protected against mismating; Pin spacing 7.62 mm; 3-pole; light gray



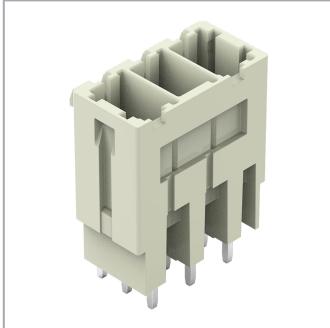
www.wago.com/831-3603

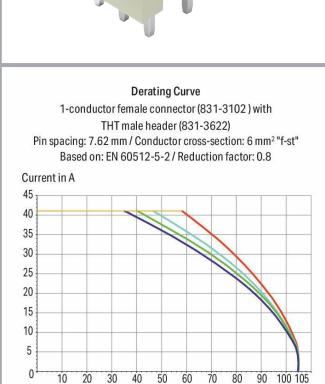




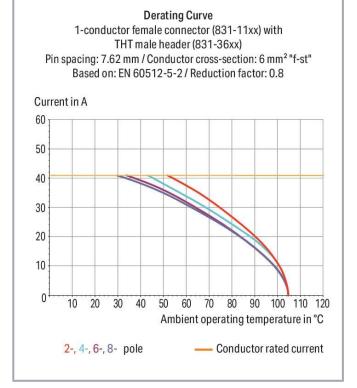
 $\label{lem:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$











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

Ambient operating temperature in °C

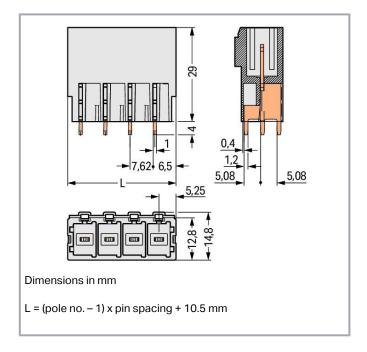
Conductor rated current

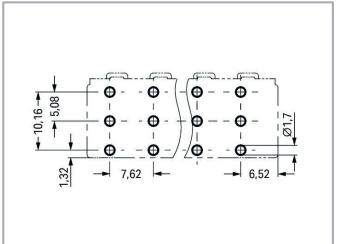
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2-, 4-, 6-, 8- pole

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Item description

- Male headers may be mounted horizontally or vertically via straight or angled solder pins
- Three solder pins per pole provide high electrical and mechanical stability
- 100 % protected against mismating
- Coding via 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 Protection against PCB mounting errors Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/.

Electrical data

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

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Ratings per IEC/EN

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	500 V
Rated impulse voltage (III/3)	6 kV
Rated voltage (III/2)	630 V
Rated impulse voltage (III/2)	6 kV
Nominal voltage (II/2)	1000 V
Rated surge voltage (II/2)	6 kV
Rated current	41 A
Legend (ratings)	(III / 2) ≙ Overvoltage category III / Pollution degree 2

Ratings per UL 1059

Approvals per	UL 1059
Rated voltage UL (Use Group C)	300 V
Rated current UL (Use Group C)	42 A
Rated voltage UL (Use Group D)	600 V
Rated current UL (Use Group D)	5 A

Ratings per CSA

Approvals per	CSA
Rated voltage CSA (Use Group C)	300 V
Rated current CSA (Use Group C)	41 A
Rated voltage CSA (Use Group D)	600 V
Rated current CSA (Use Group D)	5 A

Connection data

Total number of potentials	3	
Number of connection types	1	
Number of levels	1	

Connection 1

Pole number	2
Pole Hullibei	3

Physical data

Pin spacing	7.62 mm / 0.3 inches
Width	25.74 mm / 1.013 inches

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

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Height	33 mm / 1.299 inches
Height from the surface	29 mm / 1.142 inches
Depth	14.8 mm / 0.583 inches
Caldan win langeth	
Solder pin length	4 mm
Solder pin dimensions	1 x 1.2 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	тнт
Solder pin arrangement	over the entire male connector (in-line)
Number of solder pins per potential	3

Material Data

Note (material data)

Information on material specifications can be found here

Color	light gray
Material group	1
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E _{Cu})
Contact plating	Tin
Weight	8.8 g

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

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Environmental requirements

Limit temperature range	-60 +105 °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)	48 pcs
Packaging type	box
Country of origin	PL
GTIN	4045454002114
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status Compliant, No Exemption

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	CB DEKRA Certification B.V.	IEC 61984	NL-61360 /M1
	CSA DEKRA Certification B.V.	C22.2	1466354
KEMA	KEMA/KEUR DEKRA Certification B.V.	EN 61984	71- 116057
R	UR Underwriters Laboratories Inc.	UL 1059	E45172

UL 1059

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Underwriters Laboratories Inc.

WAGO GmbH & Co. KG

UR

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E45172





Declarations of conformity and manufacturer's declarations			
Logo	Approval	Additional Approval Text	Certificate name
RAILWAY READY	Railway WAGO GmbH & Co. KG	-	Railway Ready
Approvals for marine applications			
			Certificate
Logo	Approval	Additional Approval Text	name
	LR	IEC 61984	96/20035
DE LA MANAGE MAN	Lloyds Register		(E5)

Counterpart

Counterpai	t	
	Item no.831-3103 1-conductor female connector; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 3-pole; 100% protected against mismating; 10,00 mm²; light gray	www.wago.com/831- 3103
	Item no.831-3103/000-9037 1-conductor female connector; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 3-pole; 100% protected against mismating; direct marking; 10,00 mm²; light gray	www.wago.com/831- 3103/000-9037
	Item no.831-3103/037-000 1-conductor female connector; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 3-pole; 100% protected against mismating; Lateral locking levers; 10,00 mm²; light gray	www.wago.com/831- 3103/037-000
	Item no.831-3103/133-000 1-conductor female connector; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 3-pole; 100% protected against mismating; Gripping plate; 10,00 mm²; light gray	www.wago.com/831- 3103/133-000
	Item no.831-3103/037-9037 1-conductor female connector; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 3-pole; 100% protected against mismating; Lateral locking levers; direct marking; 10,00 mm²; light gray	www.wago.com/831- 3103/037-9037

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www.wago.com/831-3603





Item no.831-1103

1-conductor female connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 3-pole; 100% protected against mismating; 10,00 mm²; light gray

www.wago.com/831-1103



Item no.831-1103/037-000

1-conductor female connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 3-pole; 100% protected against mismating; Lateral locking levers; 10,00 mm²; light gray

www.wago.com/831-1103/037-000



Item no.831-1103/038-000

1-conductor female connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 3-pole; 100% protected against mismating; Lateral locking levers; 10,00 mm²; light gray

www.wago.com/831-1103/038-000



Item no.831-1103/320-000

1-conductor female connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 3-pole; 100% protected against mismating; Centered locking levers; 10,00 mm²; light gray

www.wago.com/831-1103/320-000



Item no.831-1103/322-000

1-conductor female connector; lever; Push-in CAGE CLAMP®; 10 mm²; Pin spacing 7.62 mm; 3-pole; 100% protected against mismating; Centered locking levers; 10,00 mm²; light gray

www.wago.com/831-1103/322-000

Optional accessories

Coding

Coding



Item no.: 831-500

Coding pin carrier with six coding pins; orange

www.wago.com/831-500

Downloads

Documentation

Additional Information

Technical Section 2019 Apr 3 pdf Download Technical explanations 2.0 MB

CAD/CAE-Data

CAD data

2D/3D Models 831-3603 URL Download

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www.wago.com/831-3603



CAE data

EPLAN Data Portal 831-3603	URL	Download
ZUKEN Portal 831-3603	URL	Download

PCB Design

Symbol and Footprint 831-3603

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
- 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

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URL

Environmental Product Compliance

Compliance Search

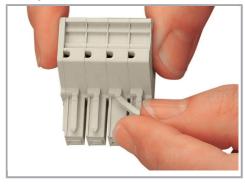
Environmental Product Compliance 831-3603

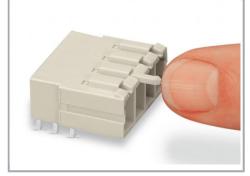
Download

THT male header; 1.0 x 1.2 mm solder pin; straight; 100% protected against mismating; Pin spacing 7.62 mm; 3-pole; light gray

Installation Notes

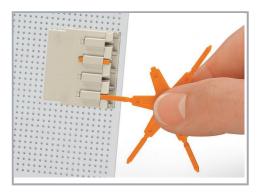
Coding





Break or cut off coding pin from female connector.

Insert coding pin into male header (break first) until it engages.



Coding a THT male header by inserting a coding pin.

Product family

MCS MAXI 6 Show all products from the family

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