

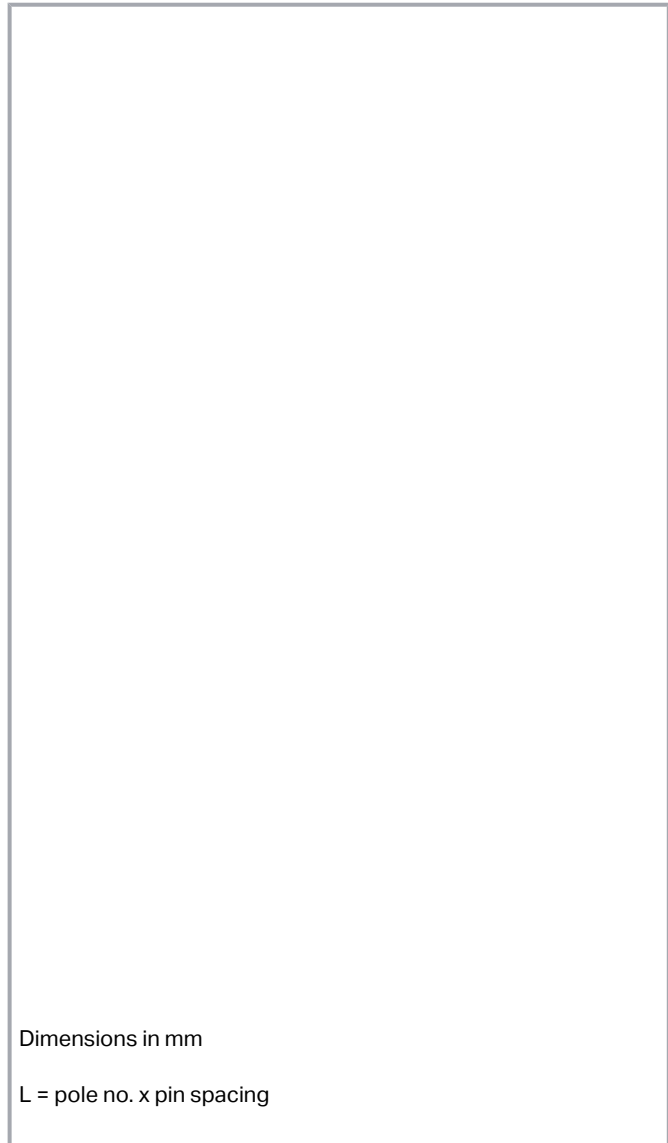
Data sheet | Item number: 252-303

2-conductor female connector; push-button; PUSH WIRE®; 0.8 mm Ø; Pin spacing 3.5 mm; 3-pole; for individual solder pins; for KNX; 0,50 mm²; gray

www.wago.com/252-303



Color:



Dimensions in mm

L = pole no. x pin spacing

Item description

- Compact, 2-conductor PCB connectors with PUSH WIRE® connection and push-buttons
- Push-in termination of solid conductors – conductor removal via push-buttons

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

WAGO GmbH & Co. KG

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Phone: +49571 887-0 | Fax: +49571 887-169

Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.



- Double entries for power supply and distribution
- Quick and easy PCB replacement
- Loop connection is retained, even when unmated
- Group arrangement is possible without losing any poles
- KNX-compliant

Data

Notes

Variants:

Other pole numbers

Direct marking

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)	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	2 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)	2 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	2 A

Connection data

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

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Connection 1

Connection technology	PUSH WIRE®
Actuation type	Push-button
Solid conductor	0.14 ... 0.5 mm ² / 26 ... 20 AWG
Conductor diameter	0.4 ... 0.8 mm / 26 ... 20 AWG
Strip length	6 ... 7 mm / 0.24 ... 0.28 inches
Conductor connection direction to PCB	0°
Pole number	3

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	10.5 mm / 0.413 inches
Height	11 mm / 0.433 inches
Depth	11.8 mm / 0.465 inches

Plug-in connection

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for PCB
Plugging without loss of pin spacing	Yes
Mating direction to the rail-mount terminal block	90°

Material Data

Note (material data)	Information on material specifications can be found here
Color	gray
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Copper alloy
Contact material	Electrolytic copper (E _{Cu})
Contact plating	Tin
Fire load	0.031 MJ
Weight	1.4 g

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Environmental requirements

Limit temperature range	-60 ... +105 °C
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Commercial data

ETIM 8.0	EC002643
ETIM 7.0	EC002643
PU (SPU)	400 (100) pcs
Packaging type	box
Country of origin	PL
GTIN	4055143959285
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Required accessories

Male connector

Solder pin

Item no.: 243-131 THT pin; silver-colored

www.wago.com/243-131
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Optional accessories

Tool

Operating tool

Item no.: 210-647 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured
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www.wago.com/210-647
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Item no.: 210-719 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

www.wago.com/210-719
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Downloads

Documentation

Additional Information

2019 年4月3日	pdf	Download
	2.0 MB	

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

CAD/CAE-Data

CAD data

2D/3D Models 252-303	URL	Download
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CAE data

ZUKEN Portal 252-303	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 252-303	URL	Download
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2-conductor female connector; push-button; PUSH WIRE®; 0.8 mm Ø; Pin spacing 3.5 mm; 3-pole; for individual solder pins; for KNX; 0,50 mm²; gray

Installation Notes

Conductor removal



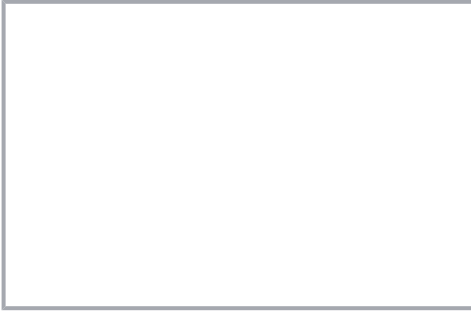
Conductor termination directly on the PCB or wiring prior to mounting on PCB – 252 Series



Removing a conductor – 252 Series

Installation

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



Plugging a compact PCB connector – 252 Series

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