

Data sheet | Item number: 252-309

2-conductor female connector; push-button; PUSH WIRE®; 0.8 mm Ø; Pin spacing 3.5 mm; 9-pole; for individual solder pins; for KNX; 0,50 mm²; gray

www.wago.com/252-309



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 Corporation
Germantown, WI 53022
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222
Email: info.us@wago.com | Web: www.wago.us

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

IEC Approvals

Ratings per	IEC/EN 60664-1
Rated 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) \triangleq Overvoltage category III / Pollution degree 2

UL Approvals

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	9
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 mm² / 26 ... 20 AWG
Conductor diameter	0.4 ... 0.8 mm / 26 ... 20 AWG
Strip length	6 ... 7 mm / 0.24 ... 0.28 inch
Conductor connection direction to PCB	0 °
Number of poles	9

Physical data

Pin spacing	3.5 mm / 0.138 inch
Width	31.5 mm / 1.240 inch
Height	11 mm / 0.433 inch
Depth	11.8 mm / 0.465 inch

Plug-in connection

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for PCB
Mating direction to the rail-mount terminal block	90 °

Material data

Note (material data)	Information on material data 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	0.085 MJ
Weight	4.1 g

Environmental requirements

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

PU (SPU)	200 (50) Stück
Packaging type	box
Country of origin VKOrg Germany	PL
GTIN	4055143959308
Customs tariff number VKOrg Germany	8536904000


Required accessories

Male connector

Solder pin	
Item no.: 243-131	www.wago.com/243-131
Solder pin for 243 Series MICRO PUSH WIRE® PCB connector	

Optional accessories

Tools

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

Downloads

Documentation

Additional Information

Technical Section	2019 Apr 3	pdf	Download
Technical explanations		2.0 MB	

CAD files

CAE data

ZUKEN Portal 252-309	URL	Download
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CAD data

2D/3D Models 252-309	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 252-309

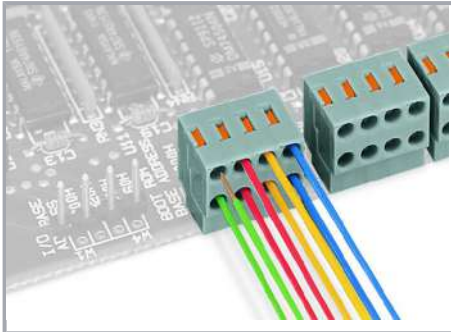
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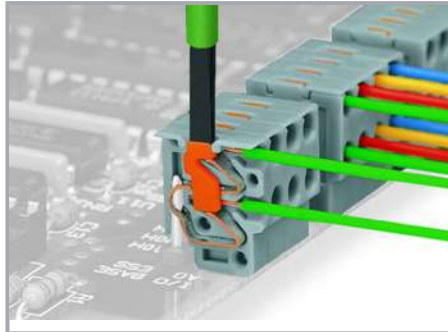
2-conductor female connector; push-button; PUSH WIRE®; 0.8 mm Ø; Pin spacing 3.5 mm; 9-pole; for individual solder pins; for KNX; 0,50 mm²; gray

Installation Notes

Conductor termination

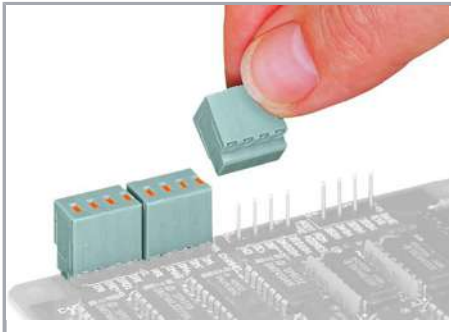


Conductor termination directly on the PCB or wiring prior to mounting on PCB – 252 Series



Removing a conductor – 252 Series

Installation



Plugging a compact PCB connector – 252 Series

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