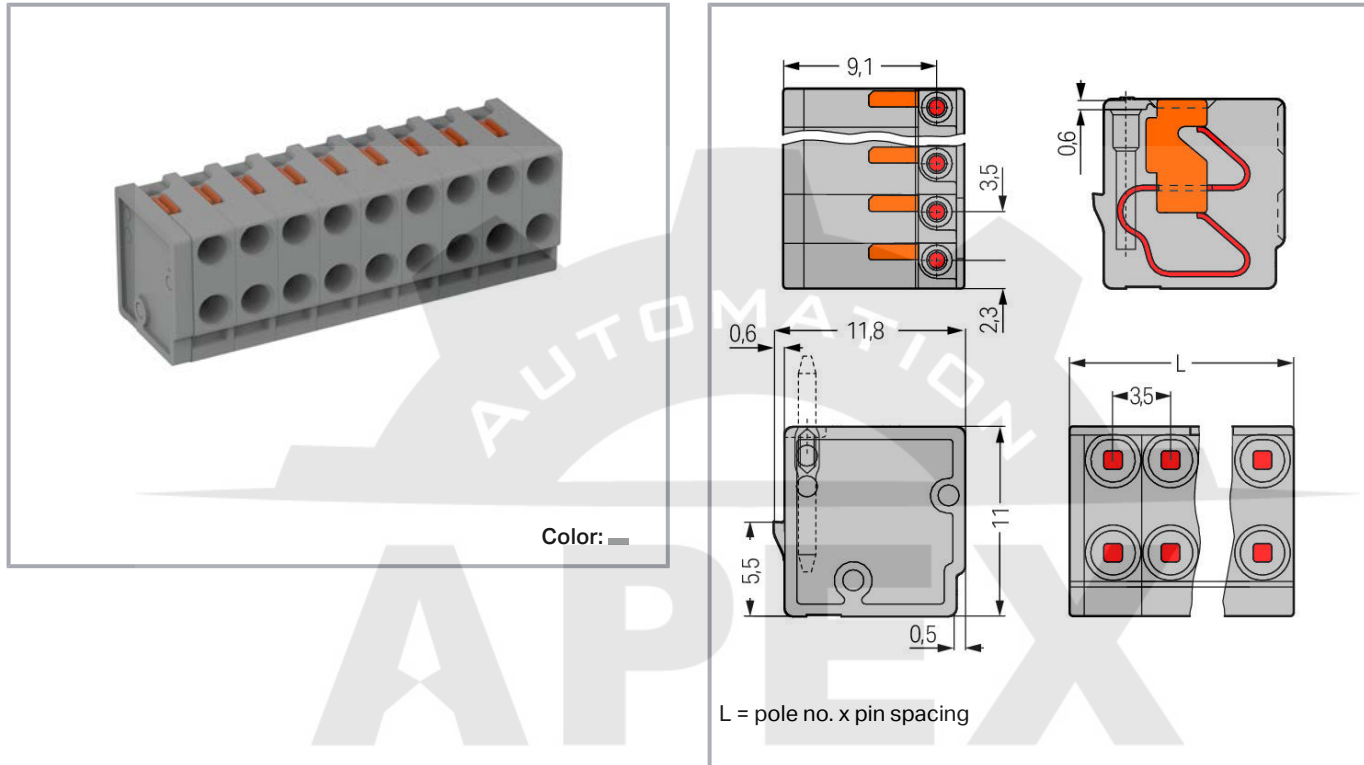


Data sheet | Item number: 252-309

2-conductor female connector; push-button; 0.8 mm Ø; Pin spacing 3.5 mm;
9-pole; 0,50 mm²; gray

www.wago.com/252-309



Item description

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

Data

Electrical data

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

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IEC Approvals

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	160 V
Rated surge voltage (III/3)	2.5 kV
Rated voltage (III/2)	160 V
Rated surge 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

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
Strip length	6 ... 7 mm / 0.24 ... 0.28 inch
Conductor connection direction to PCB	0°
Pole No.	9
Total number of potentials	9
Number of connection types	1
Number of levels	1

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

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

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Plug-in connection

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for PCB
Mating direction to the PCB	90°

PCB contact

PCB Contact	THT
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Material data

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-plated
Weight	4.1 g

Environmental requirements

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

Packaging type	BOX
Country of origin	PL
GTIN	4055143959308
Customs tariff number	8536904000

Required accessories

Male connector

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

Optional accessories

Tools

Item no.: 210-647

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

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Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured

www.wago.com/210-647

Item no.: 210-719

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

www.wago.com/210-719

Downloads

Documentation

Additional Information

Technical explanations	Apr 3, 2019	pdf 2.0 MB	Download
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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	URL	Download
2-conductor female connector; push-button; 0.8 mm Ø; Pin spacing 3.5 mm; 9-pole; 0,50 mm ² ; gray		

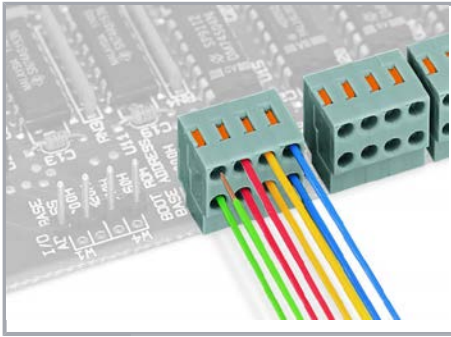
Installation Notes

Conductor termination

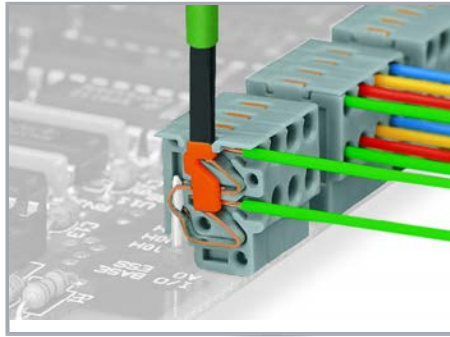
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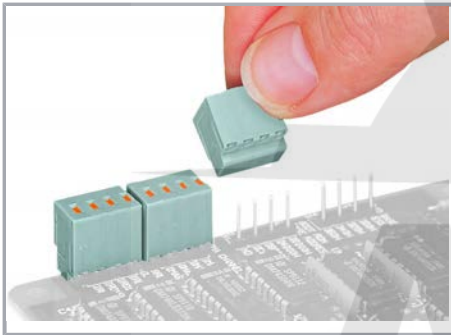


Conductor termination directly on the PCB
or wiring prior to mounting on PCB – 252
Series



Removing a conductor – 252 Series

Installation



Plugging a compact PCB connector – 252
Series

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

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