Data Sheet | Item Number: 252-153

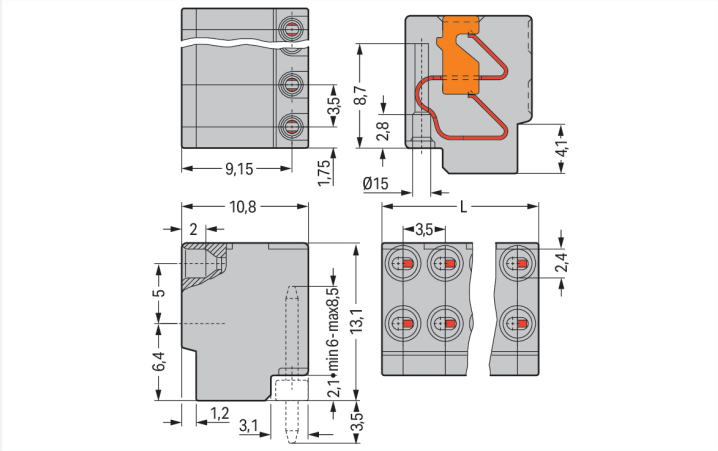
2-conductor female connector; push-button; PUSH WIRE®; 0.8 mm Ø; Pin spacing 3.5 mm; 3-pole; for solder pin strip; gray

https://www.wago.com/252-153



Color: gray

Similar to illustration



Dimensions in mm
L = pole no. x pin spacing

Pluggable pcb terminal block, 252 Series, with 3.5 mm pin spacing

Pluggable pcb terminal block (item number 252-153) simplifies electrical installations. Ensure that the strip lengths are between 6 and 7 mm when connecting conductors to pluggable pcb terminal block. Featuring one conductor terminal along with PUSH WIRE®, this connector is highly versatile. Our PUSH WIRE® connection uses the stiffness of the conductor to overcome the clamping spring's contact force, allowing you to clamp the conductor in place more quickly and easily. The item's dimensions are (10.5 x 13.1 x 10.5) mm (width x height x depth). Depending on the type of conductor, pluggable pcb terminal block is ideal for conductor cross sections ranging from 0.14 mm² to 0.5 mm². Tin is used for coating the contact surfaces.

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 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	320 V	320 V	630 V
Rated impulse withstand voltage	4 kV	4 kV	4 kV
Rated current	2 A	2 A	2 A

Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	2 A	-	2 A

Connection Data

Clamping units	6
Total number of potentials	3
Number of connection types	1
Number of levels	1

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 inches
Conductor connection direction to PCB	0 °

Connection 1

Pole number	3

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	10.5 mm / 0.413 inches
Height	13.1 mm / 0.516 inches
Depth	10.5 mm / 0.413 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 (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Copper alloy
Contact material	Electrolytic copper (E_{Cu})
Contact Plating	Tin
Fire load	0.027 MJ
Weight	1.5 g

Environmental requirements

Limit temperature range	-60 … +105 °C

Commercial data

Product Group	4 (Printed Circuit Connectors)
PU (SPU)	400 (100) pcs
Packaging type	Box
Country of origin	PL
GTIN	4045454039899
Customs tariff number	85366990990

Product Classification

UNSPSC	39121409
eCl@ss 10.0	27-44-04-01
eCl@ss 9.0	27-44-04-01
ETIM 9.0	EC002643
ETIM 10.0	EC002643
ECCN	NO US CLASSIFICATION

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Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947	NTR NL-7110
CCA DEKRA Certification B.V.	EN 60947-7-4	NTR NL-7320
cURus Underwriters Laboratories Inc.	UL 1059	E45172
ENEC DEKRA Certification B.V.	EN 60947	2160584.26

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 252-153

Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB

CAD/CAE-Data

CAD data

2D/3D Models 252-153

CAE data

EPLAN Data Portal 252-153

ZUKEN Portal 252-153

PCB Design

Symbol and Footprint via SamacSys 252-153

Symbol and Footprint via Ultra Librarian 252-153

Continued on next page

1 Compatible Products

1.1 System counterpart

1.1.1 Solder pin



Item No.: 252-903
THT pin strip; Pin spacing 3.5 mm; 3-pole; black

1.2 Required Accessories

1.2.1 Male connector

1.2.1.1 Solder pin



Item No.: 252-903
THT pin strip; Pin spacing 3.5 mm; 3-pole; black

1.3 Optional Accessories

1.3.1 Marking

1.3.1.1 Marking strip



Item No.: 210-332/350-202
Marking strips; as a DIN A4 sheet; MARKED; 1-16 (240x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white



Item No.: 210-332/350-204
Marking strips; as a DIN A4 sheet; MARKED; 17-32 (240x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white



Item No.: 210-332/350-206
Marking strips; as a DIN A4 sheet; MARKED; 33-48 (240x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white

1.3.2 Tool

1.3.2.1 Operating tool



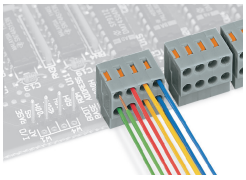
Item No.: 210-719
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft



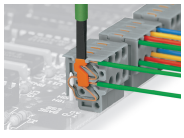
Item No.: 210-647
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured

Installation Notes

Conductor removal



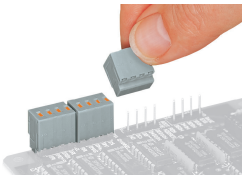
Conductor termination directly on the PCB or wiring prior to mounting on PCB – 252 Series



Removing a conductor – 252 Series

Continued on next page

Installation



Plugging a compact PCB connector – 252 Series