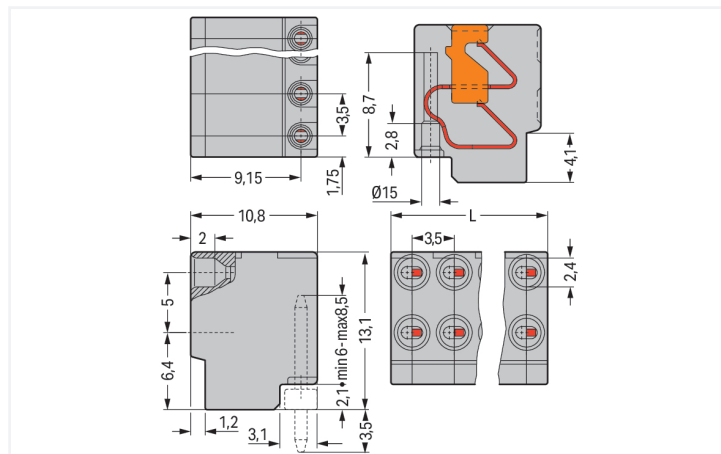
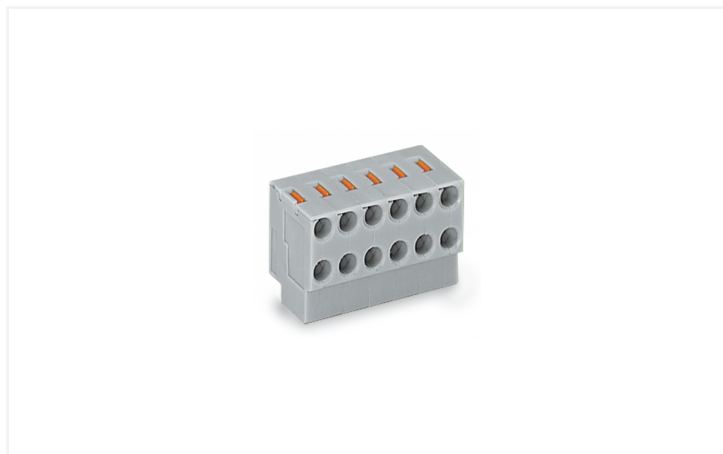


## Data Sheet | Item Number: 252-158

2-conductor female connector; push-button; PUSH WIRE®; 0.8 mm Ø; Pin spacing 3.5 mm; 8-pole; for solder pin strip; gray

<https://www.wago.com/252-158>



Color: ■ gray

Similar to illustration

Dimensions in mm  
L = pole no. x pin spacing

Pluggable pcb terminal block, 252 Series, 0° conductor entry to board

Pluggable pcb terminal block (item number 252-158) simplifies electrical installations. Strip lengths must be between 6 and 7 mm when connecting conductors to pluggable pcb terminal block. This product features one conductor terminal and utilizes PUSH WIRE®. Our PUSH WIRE® connection uses the stiffness of the conductor to overcome the clamping spring's contact force, allowing faster and easier conductor clamping. The dimensions are (28 x 13.1 x 10.5) mm (width x height x depth). Pluggable pcb terminal block is suitable for conductor cross sections ranging from 0.14 mm<sup>2</sup> to 0.5 mm<sup>2</sup>. The contact surface is coated with tin.

### 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	16
Total number of potentials	8
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 mm <sup>2</sup> / 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	8

### Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	28 mm / 1.102 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)	<a href="#">Information on material specifications can be found here</a>
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 <sub>Cu</sub> )
Contact Plating	Tin
Fire load	0.095 MJ
Weight	4 g

### Environmental requirements

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

Product Group	4 (Printed Circuit Connectors)
PU (SPU)	200 (50) pcs
Packaging type	Box
Country of origin	PL
GTIN	4045454040161
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

**Environmental Product Compliance**

RoHS Compliance Status	Compliant, No Exemption
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**Approvals / Certificates**

**General approvals** **Declarations of conformity and manufacturer's declarations**



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

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

**Downloads**

**Environmental Product Compliance**

<b>Compliance Search</b>
Environmental Product Compliance 252-158 <a href="#">↓</a>

**Documentation**

<b>Additional Information</b>
Technical Section <span style="float: right;">pdf</span>
03.04.2019 <span style="float: right;">2027.26 KB</span>
<a href="#">↓</a>

**CAD/CAE-Data**

<b>CAD data</b>
2D/3D Models 252-158 <a href="#">↓</a>

<b>CAE data</b>
EPLAN Data Portal 252-158 <a href="#">↓</a>
ZUKEN Portal 252-158 <a href="#">↓</a>

**PCB Design**

Symbol and Footprint via SamacSys 252-158 <a href="#">↓</a>
Symbol and Footprint via Ultra Librarian 252-158 <a href="#">↓</a>

## 1 Compatible Products

### 1.1 System counterpart

#### 1.1.1 Solder pin



**Item No.:** [252-908](#)

THT pin strip; Pin spacing 3.5 mm; 8-pole; black

## 1.2 Required Accessories

### 1.2.1 Male connector

#### 1.2.1.1 Solder pin



**Item No.:** [252-908](#)

THT pin strip; Pin spacing 3.5 mm; 8-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

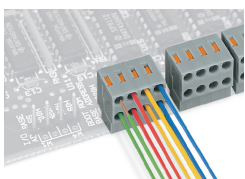


**Item No.:** [210-647](#)

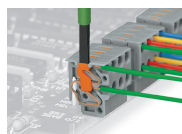
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured

## Installation Notes

### Conductor removal

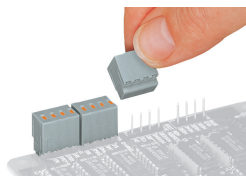


Conductor termination directly on the PCB or wiring prior to mounting on PCB – 252 Series



Removing a conductor – 252 Series

Installation



Plugging a compact PCB connector – 252 Series