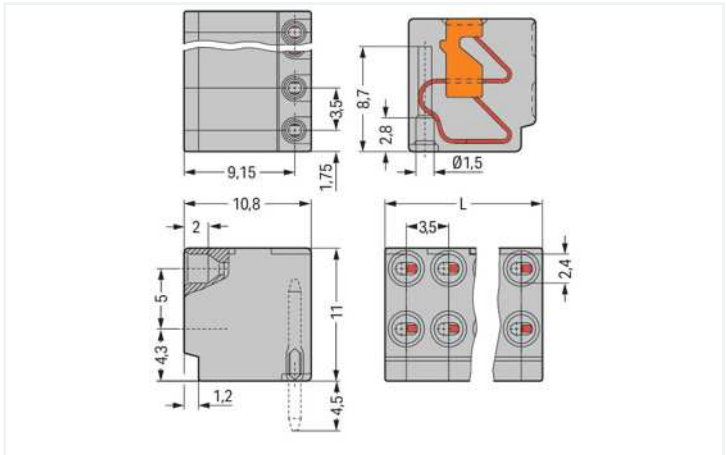




Color: gray Similar to illustration



Dimensions in mm
L = pole no. x pin spacing

- 2-conductor female connector with PUSH WIRE® connection and push-buttons
- 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

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 UL 1059	
Ratings per	IEC/EN 60664-1	Approvals per	UL 1059
Nominal voltage (III/3)	320 V	Rated voltage UL (Use Group B)	300 V
Rated impulse voltage (III/3)	4 kV	Rated current UL (Use Group B)	2 A
Rated voltage (III/2)	320 V	Rated voltage UL (Use Group D)	300 V
Rated impulse voltage (III/2)	4 kV	Rated current UL (Use Group D)	2 A
Nominal voltage (II/2)	630 V		
Rated surge voltage (II/2)	4 kV		
Rated current	2 A		
Legend (ratings)	(III / 2) ≙ Overvoltage category III / Pollution degree 2		

Connection data

Connection points	18
Total number of potentials	9
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°
Pole number	9

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	31.5 mm / 1.24 inches
Height	11 mm / 0.433 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	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Copper alloy
Contact material	Electrolytic copper (E _{CU})
Contact plating	Tin
Fire load	0.108 MJ
Weight	4.1 g

Environmental requirements

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

Product Group	4 (Printed Circuit Connectors)
eCl@ss 10.0	27-44-04-01
eCl@ss 9.0	27-44-04-01
ETIM 8.0	EC002643
ETIM 7.0	EC002643
PU (SPU)	200 (50) pcs
Packaging type	Box
Country of origin	PL
GTIN	4045454039776
Customs tariff number	85369010000



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
cULus Underwriters Laboratories Inc.	UL 1059	E45172
ENEC DEKRA Certification B.V.	EN 60947	2160584.26

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 252-109



Documentation

Additional Information
Technical Section
03.04.2019
pdf 1949.09 KB



CAD/CAE-Data

CAD data
2D/3D Models 252-109



CAE data
EPLAN Data Portal 252-109
ZUKEN Portal 252-109



1 Compatible Products

1.1 Required Accessories

1.1.1 Male connector

1.1.1.1 Solder pin



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

1.2 Optional Accessories

1.2.1 Marking

1.2.1.1 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

1.2.2 Tool

1.2.2.1 Operating tool



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



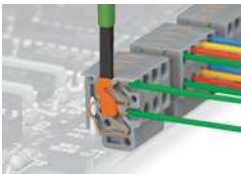
Item No.: 210-647
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured

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