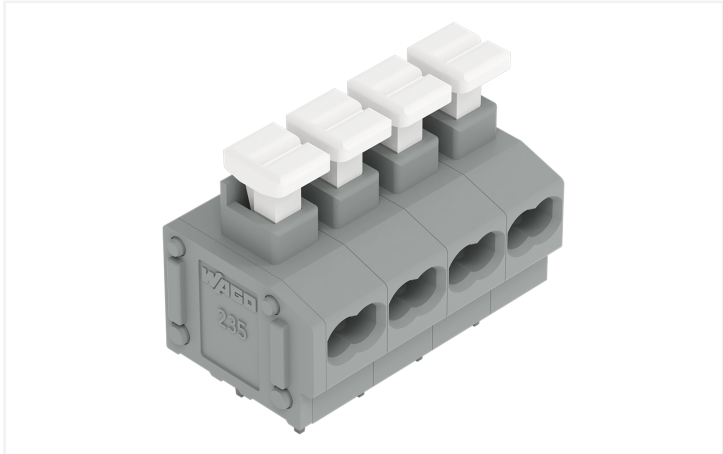
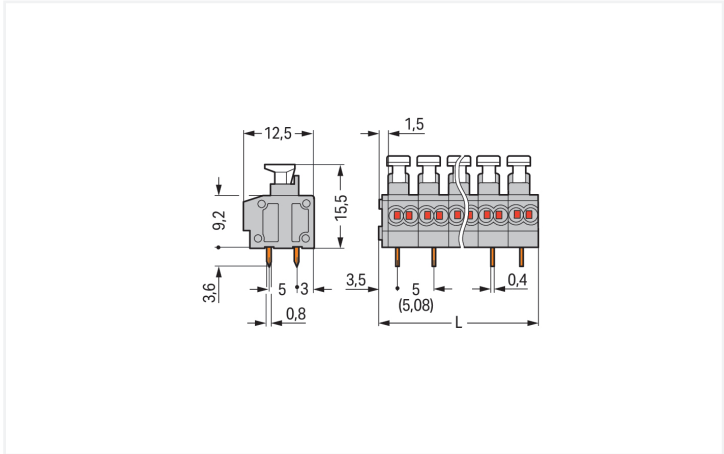


Data Sheet | Item Number: 235-452/331-000
2-conductor PCB terminal block; push-button; 0.75 mm²; Pin spacing 5/5.08 mm; 2-pole;
PUSH WIRE®; gray
<https://www.wago.com/235-452/331-000>



Color: ■ gray

Similar to illustration



Dimensions in mm
Adjust pin spacing by pulling on the end blocks so that they expand to satisfy the hole centers required. L = (pole no. x pin spacing) + 1.5 mm

PCB terminal block, 235 Series, solder pin dimensions 0.8 x 0.4 mm

Connect conductors quickly and safely with this PCB terminal block (item number 235-452/331-000). It offers the flexibility needed for different mounting types. Strip lengths must be between 9 and 10 mm when connecting conductors to this PCB terminal block. This product incorporates one conductor terminal and utilizes PUSH WIRE®. Our trusted PUSH WIRE® connection offers the fastest method for clamping conductors. It utilizes the conductor's stiffness to overcome the clamping spring's contact force. The item's dimensions are (11.5 x 19.1 x 12.5) mm (width x height x depth). This PCB terminal block is suitable for conductor cross sections ranging from 0.2 mm² to 0.75 mm². The contact surface is coated with tin. A push-button is used to operate this PCB terminal block. The PCB terminal block is designed for THT soldering. The conductor is designed to be inserted at a 0° angle..

Notes	
Variants:	Other pole numbers Other colors Terminal strips with 7.5/7.62 mm and 10/10.16 mm pin spacing Mixed-color PCB connector strips 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		250 V	320 V	630 V
Rated impulse withstand voltage		4 kV	4 kV	4 kV
Rated current		10 A	10 A	10 A
Approvals per		UL 1059		
Use group		B	C	D
Rated voltage		300 V	-	300 V
Rated current		10 A	-	10 A
Approvals per		CSA		
Use group		B	C	D
Rated voltage		300 V	-	-
Rated current		10 A	-	-

Connection Data			
Clamping units	4	Connection 1	
Total number of potentials	2	Connection technology	PUSH WIRE®
Number of connection types	1	Actuation type	Push-button
Number of levels	1	Solid conductor	0.2 ... 0.75 mm² / 24 ... 18 AWG
		Strip length	9 ... 10 mm / 0.35 ... 0.39 inches
		Conductor connection direction to PCB	0 °
		Pole number	2

Physical data	
Pin spacing	5/5.08 mm / 0.197/0.2 inches
Width	11.5 mm / 0.453 inches
Height	19.1 mm / 0.752 inches
Height from the surface	15.5 mm / 0.61 inches
Depth	12.5 mm / 0.492 inches
Solder pin length	3.6 mm
Solder pin dimensions	0.8 x 0.4 mm
Drilled hole diameter	1 (+0.1) mm

PCB contact	
PCB contact	THT
Solder pin arrangement	over the entire terminal strip (in-line)
Number of solder pins per potential	2

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	Chrome-nickel spring steel (CrNi)
Contact material	Electrolytic copper (E _{Cu})
Contact Plating	Tin
Fire load	0.029 MJ
Weight	1.6 g

Environmental requirements	
Limit temperature range	-60 ... +105 °C

Commercial data	
Product Group	4 (Printed Circuit Connectors)
PU (SPU)	420 (105) pcs
Packaging type	Box
Country of origin	CN
GTIN	4044918655873
Customs tariff number	85369010000

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

Approvals / Certificates

General approvals

CCA CCA CCA





Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947	NTR NL-7144
CCA DEKRA Certification B.V.	EN 60998	NTR NL 6919
CCA DEKRA Certification B.V.	EN 60947-7-4	NTR NL-7774
CSA DEKRA Certification B.V.	C22.2	1673956
KEMA/KEUR DEKRA Certification B.V.	EN 60947	2160584.38

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	-	-

Approvals for marine applications		
		
Approval	Standard	Certificate Name
ABS American Bureau of Shipping	-	24-0095975-PDA
DNV DNV GL SE	-	TAE000016Z

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 235-452/331-000	



Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	

CAD/CAE-Data

CAD data	CAE data
2D/3D Models 235-452/331-000	EPLAN Data Portal 235-452/331-000
	ZUKEN Portal 235-452/331-000

PCB Design	
Symbol and Footprint via SamacSys 235-452/331-000	
Symbol and Footprint via Ultra Librarian 235-452/331-000	

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

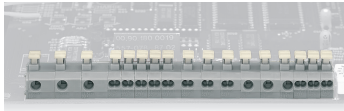
1.1.1.1 Ferrule



Item No.: 216-241 Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white	Item No.: 216-141 Ferrule; Sleeve for 0.5 mm² / 20 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92
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Installation Notes

Installation



Combining 1- and 2-conductor terminal blocks with different pin spacing.

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

Current addresses can be found at: www.wago.com