

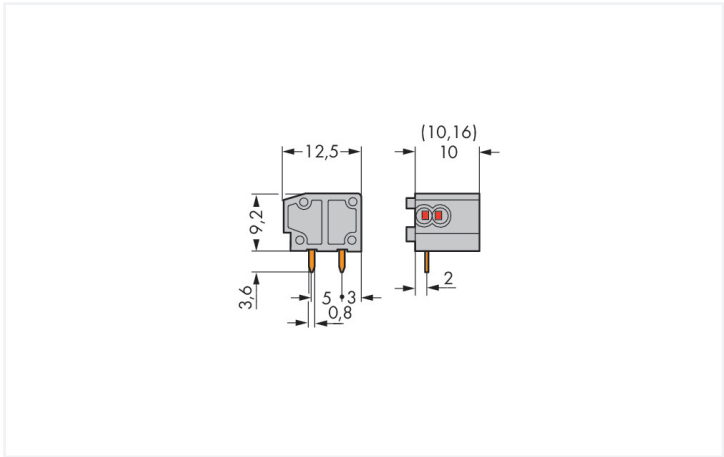
Data Sheet | Item Number: 235-851

Stackable 2-conductor PCB terminal block; 0.75 mm²; Pin spacing 10/10.16 mm; 1-pole; PUSH WIRE®; gray

<https://www.wago.com/235-851>



Color: ■ gray



Dimensions in mm

PCB terminal block, 235 Series, operating tool

This PCB terminal block (item number 235-851) is designed for simple and secure connections. It is ideal for custom installations with different mounting types. Ensure that the strip lengths are between 9 and 10 mm when connecting conductors to this PCB terminal block. Featuring one conductor terminal along with PUSH WIRE®, this connector delivers reliable performance. Our PUSH WIRE® connection offers a simple and reliable method for connecting solid conductors. The item's dimensions are (11.5 x 12.8 x 12.5) mm (width x height x depth). This PCB terminal block is suitable for conductor cross sections ranging from 0.25 mm² to 0.75 mm².

Tin is used for coating the contact surfaces. This PCB terminal block is operated with an operating tool. THT is used to solder the PCB terminal block. Insert the conductor into the board at an angle of 0°..

Notes	
Variants:	Other colors 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		630 V	1000 V	1000 V
Rated impulse withstand voltage		8 kV	8 kV	8 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	-	-

Physical data	
Pin spacing	10/10.16 mm / 0.394/0.4 inches
Width	11.5 mm / 0.453 inches
Height	12.8 mm / 0.504 inches
Height from the surface	9.2 mm / 0.362 inches
Depth	12.5 mm / 0.492 inches
Solder pin length	3.6 mm
Solder pin dimensions	0.8 x 0.4 mm
!	1 ^(+0.1) mm

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	0.02 MJ
Weight	1 g

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Commercial data		
Product Group	4 (Printed Circuit Connectors)	
PU (SPU)	400 (100) pcs	
Packaging type	Box	
Country of origin	CN	
GTIN	4044918833738	
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			Declarations of conformity and manufacturer's declarations		
 					
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947	NTR NL-7144	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
CCA DEKRA Certification B.V.	EN 60998	NTR NL 6919	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
KEMA/KEUR DEKRA Certification B.V.	EN 60947	2160584.38			

Approvals for marine applications

  					
Approval	Standard	Certificate Name			
ABS American Bureau of Ship- ping	-	24-0095975-PDA			
DNV DNV GL SE	-	TAE000016Z			
PRS Polski Rejestr Statków	-	TE/1095/880590/23			



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 235-851

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Documentation

Additional Information

Technical Section

03.04.2019

pdf

2027.26 KB

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CAD/CAE-Data

CAD data

2D/3D Models 235-851

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CAE data

EPLAN Data Portal 235-851

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ZUKEN Portal 235-851

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PCB Design

Symbol and Footprint via SamacSys 235-851

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Symbol and Footprint via Ultra Librarian 235-851

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1 Compatible Products

1.1 Required Accessories

1.1.1 End plate

1.1.1.1 End plate



Item No.: 235-100
End plate; snap-fit type; 1 mm thick; gray



1.2 Optional Accessories

1.2.1 Ferrule

1.2.1.1 Ferrule



Item No.: 216-241
Ferrule; Sleeve for 0.5 mm² / 20 AWG; in-
sulated; 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; un-
insulated; electro-tin plated; electrolytic
copper; gastight crimped; acc. to DIN
46228, Part 1/08.92

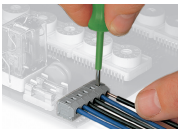
Installation Notes

Conductor termination



Inserting a solid conductor via push-in ter-
mination.

Conductor removal



Removing a conductor via screwdriver (2.5
mm blade width).