

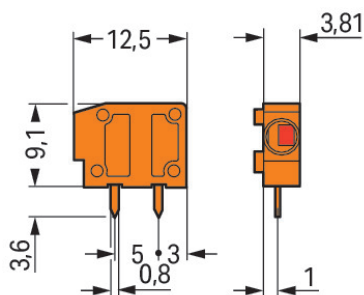
Data Sheet | Item Number: 235-101/330-000

Stackable PCB terminal block; 1.5 mm²; Pin spacing 3.81 mm; 1-pole; PUSH WIRE®; orange

<https://www.wago.com/235-101/330-000>

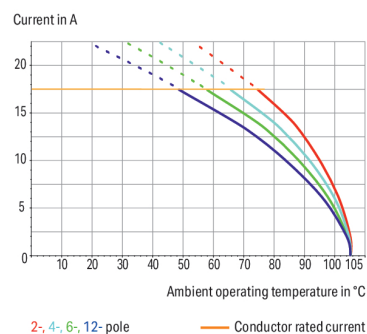


Color: ■ orange



Dimensions in mm

Current-Carrying Capacity Curve
Pin spacing: 3.81 mm / Conductor cross-section: 1.5 mm² *e*
Based on: EN 60512-5-2 / Reduction factor: 1



PCB terminal block, 235 Series, operating tool

Our PCB terminal block (item number 235-101/330-000) is the perfect way to connect conductors quickly and easily. You can rely on proven safety with these PCB terminal blocks, perfect for a host of applications when designing your devices. Ensure that the strip lengths are between 9 and 10 mm when connecting conductors to this 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. Dimensions: (5.3 x 12.8 x 12.5) mm (width x height x depth). This PCB terminal block is suitable for conductor cross sections ranging from 0.5 mm² to 1.5 mm². The contact surface is coated with tin. An operating tool 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 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			Approvals per	
		UL 1059				
Overvoltage category	III	III	II		Use group	B C D
Pollution degree	3	2	2		Rated voltage	300 V - 300 V
Nominal voltage	200 V	320 V	500 V		Rated current	10 A - 10 A
Rated impulse withstand voltage	4 kV	4 kV	4 kV			
Rated current	17.5 A	17.5 A	17.5 A			

Ratings per CSA	
Rated voltage CSA (Use Group B)	300 V
Rated current CSA (Use Group B)	10 A

Connection Data		
Clamping units	1	
Total number of potentials	1	
Number of connection types	1	
Number of levels	1	
		Connection 1
		Connection technology PUSH WIRE®
		Actuation type Operating tool
		Solid conductor 0.5 ... 1.5 mm² / 20 ... 16 AWG
		Fine-stranded conductor; with insulated ferrule 0.25 ... 0.75 mm²
		Fine-stranded conductor; with uninsulated ferrule 0.25 ... 0.75 mm²
		Strip length 9 ... 10 mm / 0.35 ... 0.39 inches
		Conductor connection direction to PCB 0°
		Pole number 1

Physical data	
Pin spacing	3.81 mm / 0.15 inches
Width	5.3 mm / 0.209 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

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



Material data		
Note (material data)		Information on material specifications can be found here
Color		orange
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		0.008 MJ
Weight		0.5 g

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

Commercial data		
Product Group		4 (Printed Circuit Connectors)
PU (SPU)		800 (100) pcs
Packaging type		Box
Country of origin		CN
GTIN		4044918828208
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

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance
235-101/330-000

Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	

CAD/CAE-Data

CAD data	CAE data
2D/3D Models 235-101/330-000 	EPLAN Data Portal 235-101/330-000 
	ZUKEN Portal 235-101/330-000 

PCB Design	
Symbol and Footprint via SamacSys 235-101/330-000 	
Symbol and Footprint via Ultra Librarian 235-101/330-000 	

1 Compatible Products

1.1 Required Accessories

1.1.1 End plate

1.1.1.1 End plate

 Item No.: 235-500 End plate; snap-fit type; 1 mm thick; black	 Item No.: 235-400 End plate; snap-fit type; 1 mm thick; blue	 Item No.: 235-200 End plate; snap-fit type; 1 mm thick; dark gray	 Item No.: 235-100 End plate; snap-fit type; 1 mm thick; gray
 Item No.: 235-300 End plate; snap-fit type; 1 mm thick; light gray	 Item No.: 235-700 End plate; snap-fit type; 1 mm thick; light green	 Item No.: 235-600 End plate; snap-fit type; 1 mm thick; orange	 Item No.: 235-800 End plate; snap-fit type; 1 mm thick; red
 Item No.: 235-650 End plate; snap-fit type; 1 mm thick; violet	 Item No.: 235-850 End plate; snap-fit type; 1 mm thick; white	 Item No.: 235-550 End plate; snap-fit type; 1 mm thick; yellow	



1.1.2 Installation

1.1.2.1 Intermediate plate



Item No.: 235-701
Spacer; for doubling the pin spacing; 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; 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; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92



Item No.: 216-242
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



Item No.: 216-262
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



Item No.: 216-142
Ferrule; Sleeve for 0.75 mm² / 18 AWG; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92

1.2.2 Installation

1.2.2.1 Intermediate plate



Item No.: 235-316
Spacer; for doubling the pin spacing; orange

1.2.3 Marking

1.2.3.1 Marking strip



Item No.: 210-332/381-202
Marking strips; as a DIN A4 sheet; MARKED; 1-16 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white



Item No.: 210-332/381-205
Marking strips; as a DIN A4 sheet; MARKED; 1-32 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white



Item No.: 210-332/381-204
Marking strips; as a DIN A4 sheet; MARKED; 17-32 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white



Item No.: 210-332/381-206
Marking strips; as a DIN A4 sheet; MARKED; 33-48 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white

1.2.4 Tool

1.2.4.1 Operating tool



Item No.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

Item No.: 210-657
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; short; multicoloured

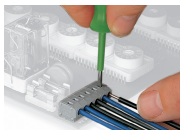
Installation Notes

Conductor termination



Inserting a solid conductor via push-in termination.

Conductor removal



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