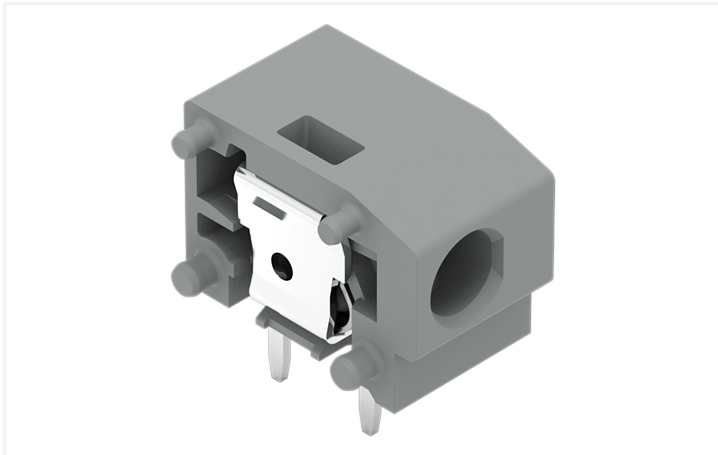


Data Sheet | Item Number: 235-754

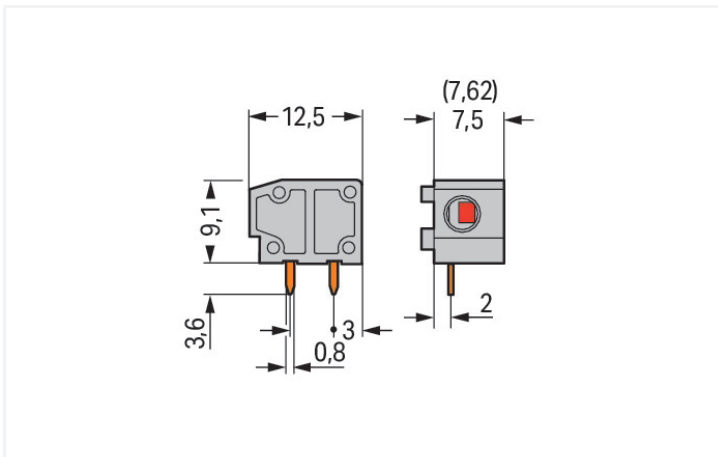
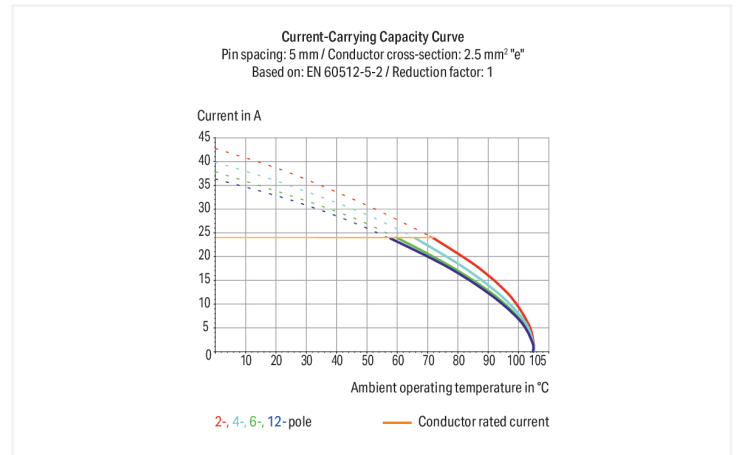
Stackable PCB terminal block; 2.5 mm²; Pin spacing 7.5/7.62 mm; 1-pole; suitable for Ex-i applications; PUSH WIRE®; blue

<https://www.wago.com/235-754>



Color: ■ blue

Similar to illustration



Dimensions in mm

PCB terminal block, 235 Series, PUSH WIRE®

Our PCB terminal block (item number 235-754) makes connections quick and easy. You can rely on proven safety with these PCB terminal blocks, perfect for a wide variety 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 incorporates 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 (9 x 12.8 x 12.5) mm (width x height x depth). Depending on the conductor type, this PCB terminal block is designed for conductor cross sections ranging from 0.5 mm² to 2.5 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 Versions for Ex i 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	400 V	630 V	1000 V	
Rated impulse withstand voltage	6 kV	6 kV	6 kV	
Rated current	24 A	24 A	24 A	

Approvals per		UL 1059		
Use group	B	C	D	
Rated voltage	300 V	-	300 V	
Rated current	10 A	-	10 A	

Ratings per CSA	
Rated voltage CSA (Use Group B)	300 V
Rated current CSA (Use Group B)	15 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 ... 2.5 mm² / 20 ... 14 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 1.5 mm²
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 1.5 mm²
Strip length	9 ... 10 mm / 0.35 ... 0.39 inches
Conductor connection direction to PCB	0 °
Pole number	1

Physical data	
Pin spacing	7.5/7.62 mm / 0.295/0.3 inches
Width	9 mm / 0.354 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
Drilled hole diameter with tolerance	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	blue	
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	0.01 MJ	
Weight	0.8 g	

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

Commercial data		
Product Group	4 (Printed Circuit Connectors)	
PU (SPU)	600 (100) pcs	
Packaging type	Box	
Country of origin	CN	
GTIN	4044918832601	
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	EU-Declaration of Confor-	-	-
CCA	EN 60947	NTR NL-7144	mity		
DEKRA Certification B.V.			WAGO GmbH & Co. KG		
CCA	EN 60998	NTR NL 6919	UK-Declaration of Confor-	-	-
DEKRA Certification B.V.			mity		
WAGO GmbH & Co. KG			WAGO GmbH & Co. KG		
KEMA/KEUR	EN 60947	2160584.38			
DEKRA Certification B.V.					



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 235-754

Documentation

Additional Information
Technical Section
03.04.2019
pdf 2027.26 KB

CAD/CAE-Data

CAD data
2D/3D Models 235-754

CAE data
EPLAN Data Portal 235-754
ZUKEN Portal 235-754

PCB Design
Symbol and Footprint via SamacSys 235-754
Symbol and Footprint via Ultra Librarian 235-754



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; un-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



Item No.: 216-243
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



Item No.: 216-263
Ferrule; Sleeve for 1 mm² / AWG 18; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



Item No.: 216-143
Ferrule; Sleeve for 1 mm² / AWG 18; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92



Item No.: 216-244
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



Item No.: 216-264
Ferrule; Sleeve for 1.5 mm² / AWG 16; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



Item No.: 216-284
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



Item No.: 216-144
Ferrule; Sleeve for 1.5 mm² / AWG 16; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-colored



Item No.: 216-109
Ferrule; Sleeve for 10 mm² / AWG 8; un-insulated; electro-tin plated



Item No.: 216-110
Ferrule; Sleeve for 16 mm² / AWG 6; un-insulated; electro-tin plated; brown metallic



Item No.: 216-106
Ferrule; Sleeve for 2.5 mm² / AWG 14; un-insulated; electro-tin plated; silver-colored



Item No.: 216-107
Ferrule; Sleeve for 4 mm² / AWG 12; un-insulated; electro-tin plated

1.2.1.1 Ferrule



Item No.: 216-108
Ferrule; Sleeve for 6 mm² / AWG 10; unin-
sulated; electro-tin plated; silver-colored

1.2.2 Marking

1.2.2.1 Marking strip



Item No.: 210-332/750-020
Marking strips; as a DIN A4 sheet; MAR-
KED; 1-20 (80x); Height of marker strip: 3
mm; Strip length 182 mm; Horizontal mar-
king; Self-adhesive; white



Item No.: 210-332/762-020
Marking strips; as a DIN A4 sheet; MAR-
KED; 1-20 (80x); Height of marker strip: 3
mm; Strip length 182 mm; Horizontal mar-
king; Self-adhesive; white

1.2.3 Tool

1.2.3.1 Operating tool



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



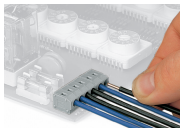
Item No.: 210-648
Operating tool; Blade: 2.5 x 0.4 mm; with a
partially insulated shaft; angled; short



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

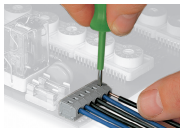
Installation Notes

Conductor termination



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

Conductor removal



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