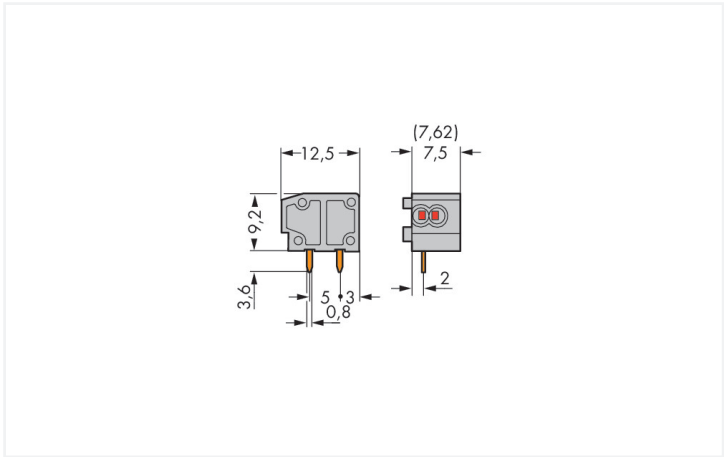


Data Sheet | Item Number: 235-722

Stackable 2-conductor PCB terminal block; 0.75 mm²; Pin spacing 7.5/7.62 mm; 1-pole; PUSH WIRE®; dark gray

<https://www.wago.com/235-722>



Color: ■ dark gray

Similar to illustration

Dimensions in mm

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

Easily, quickly and safely connect conductors with this PCB terminal block (item number 235-722). It is perfect for custom installations with different mounting types. Conductors can only be connected to this PCB terminal block if their strip length is between 9 and 10 mm . This product incorporates one conductor terminal and utilizes PUSH WIRE®. Our reliable 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 dimensions are (9 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.

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. Insert the conductor 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			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	400 V	630 V	1000 V		Rated current	10 A	-	10 A
Rated impulse withstand voltage	6 kV	6 kV	6 kV					
Rated current	10 A	10 A	10 A					
Approvals per		CSA						
Use group	B	C	D					
Rated voltage	300 V	-	-					
Rated current	10 A	-	-					



Connection data																
Clamping units	2	Connection 1 <table><tr><td>Connection technology</td><td>PUSH WIRE®</td></tr><tr><td>Actuation type</td><td>Operating tool</td></tr><tr><td>Solid conductor</td><td>0.25 ... 0.75 mm² / 24 ... 18 AWG</td></tr><tr><td>Fine-stranded conductor; with uninsulated ferrule</td><td>0.25 ... 0.34 mm²</td></tr><tr><td>Strip length</td><td>9 ... 10 mm / 0.35 ... 0.39 inches</td></tr><tr><td>Conductor connection direction to PCB</td><td>0 °</td></tr><tr><td>Pole number</td><td>1</td></tr></table>	Connection technology	PUSH WIRE®	Actuation type	Operating tool	Solid conductor	0.25 ... 0.75 mm² / 24 ... 18 AWG	Fine-stranded conductor; with uninsulated ferrule	0.25 ... 0.34 mm²	Strip length	9 ... 10 mm / 0.35 ... 0.39 inches	Conductor connection direction to PCB	0 °	Pole number	1
Connection technology	PUSH WIRE®															
Actuation type	Operating tool															
Solid conductor	0.25 ... 0.75 mm² / 24 ... 18 AWG															
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 0.34 mm²															
Strip length	9 ... 10 mm / 0.35 ... 0.39 inches															
Conductor connection direction to PCB	0 °															
Pole number	1															
Total number of potentials	1															
Number of connection types	1															
Number of levels	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		dark 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		0.01 MJ
Weight		0.6 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	4044918831970	

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	-	-
CCA DEKRA Certification B.V.	EN 60947-7-4	NTR NL-7774			
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 235-722

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Documentation

Additional Information

Technical Section

03.04.2019

pdf

2027.26 KB

↓

CAD/CAE-Data

CAD data

2D/3D Models 235-722

↓

CAE data

EPLAN Data Portal 235-722

↓

ZUKEN Portal 235-722

↓

PCB Design

Symbol and Footprint via SamacSys 235-722

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Symbol and Footprint via Ultra Librarian 235-722

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1 Compatible Products

1.1 Required Accessories

1.1.1 End plate

1.1.1.1 End plate



Item No.: 235-200
End plate; snap-fit type; 1 mm thick; dark 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; un-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; un-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.: 216-289 Ferrule; Sleeve for 10 mm² / AWG 8; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red	 Item No.: 216-209 Ferrule; Sleeve for 10 mm² / AWG 8; insulated; electro-tin plated; red	 Item No.: 216-109 Ferrule; Sleeve for 10 mm² / AWG 8; un-insulated; electro-tin plated	 Item No.: 216-210 Ferrule; Sleeve for 16 mm² / AWG 6; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue
 Item No.: 216-110 Ferrule; Sleeve for 16 mm² / AWG 6; un-insulated; electro-tin plated; brown metallic	 Item No.: 216-246 Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue	 Item No.: 216-266 Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue	 Item No.: 216-286 Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue
 Item No.: 216-106 Ferrule; Sleeve for 2.5 mm² / AWG 14; un-insulated; electro-tin plated; silver-colored	 Item No.: 216-267 Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray	 Item No.: 216-287 Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray	 Item No.: 216-207 Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; gray
 Item No.: 216-107 Ferrule; Sleeve for 4 mm² / AWG 12; un-insulated; electro-tin plated	 Item No.: 216-208 Ferrule; Sleeve for 6 mm² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow	 Item No.: 216-288 Ferrule; Sleeve for 6 mm² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow	 Item No.: 216-108 Ferrule; Sleeve for 6 mm² / AWG 10; un-insulated; electro-tin plated; silver-colored

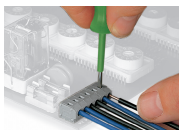
Installation Notes

Conductor termination



Inserting a solid conductor via push-in termination.

Conductor removal



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