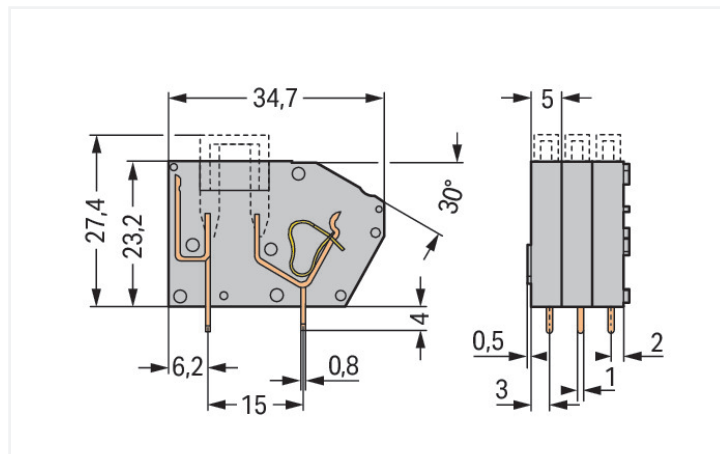


Data Sheet | Item Number: 742-111

Stackable PCB terminal block; with fuse mounting; 2.5 mm²; Pin spacing 5 mm; 1-pole; CAGE CLAMP®; gray

<https://www.wago.com/742-111>



Color: ■ gray

Dimensions in mm

PCB terminal block, 742 Series, gray

Connecting conductors is quick and easy with this PCB terminal block (item number 742-111). It offers the flexibility needed for different mounting types. Conductors can only be connected to this PCB terminal block if their strip length is between 8 and 9 mm. Featuring one conductor terminal along with CAGE CLAMP®, this connector outperforms the competition. Our trusted universal connection known as CAGE CLAMP® is industry-leading when it comes to connection technology and electrical interconnections. Dimensions: (7 x 27.2 x 34.7) mm (width x height x depth). This PCB terminal block is suitable for conductor cross sections ranging from 0.08 mm² to 2.5 mm².

The contact surface is coated with tin. This PCB terminal block is operated with an operating tool. The PCB terminal block is designed for THT soldering. The conductor is designed to be inserted into the board at a 60° angle.

Electrical data

Ratings	Individual arrangement		
	IEC/EN 60664-1	IEC/EN 60664-1	IEC/EN 60664-1
Ratings per			
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	320 V	320 V	630 V
Rated impulse withstand voltage	4 kV	4 kV	4 kV
Rated current	15 A	15 A	15 A

Ratings	Block arrangement		
	IEC/EN 60664-1	IEC/EN 60664-1	IEC/EN 60664-1
Ratings per			
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	320 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		
	B	C	D
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	10 A	-	10 A

Approvals per	CSA		
	B	C	D
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	16 A	-	10 A

General information

Fuse receptacle	pluggable
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Connection Data

Clamping units	1
Total number of potentials	1
Number of connection types	1
Number of levels	1

Connection 1

Connection technology	CAGE CLAMP®
Actuation type	Operating tool
Solid conductor	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 1.5 mm ²
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 1.5 mm ²
Note (conductor cross-section)	12 AWG: THHN, THWN
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches
Conductor connection direction to PCB	60 °
Pole number	1

Physical data

Pin spacing	5 mm / 0.197 inches
Width	7 mm / 0.276 inches
Height	27.2 mm / 1.071 inches
Height from the surface	23.2 mm / 0.913 inches
Depth	34.7 mm / 1.366 inches
Solder pin length	4 mm
Solder pin dimensions	1 x 0.8 mm
Drilled hole diameter	1.4 (+0.1) mm

Mechanical data

Type of fuse	Mini flat plug-in fuse 10.9 x 3.6 x 16.3 mm
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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	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	0.057 MJ
Weight	3.7 g

Environmental requirements

Limit temperature range	-60 ... +105 °C
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Commercial data

Product Group	4 (Printed Circuit Connectors)
PU (SPU)	300 pcs
Packaging type	Box
Country of origin	CH
GTIN	4045454232139
Customs tariff number	85369095000

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
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Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947	2160584.22
CCA DEKRA Certification B.V.	EN 60947	NTR NL-7107
CSA DEKRA Certification B.V.	C22.2 No. 158	1711139
UR Underwriters Laboratories Inc.	UL 1059	E45172

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

Approvals for marine applications



Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	-	24-0095975-PDA
BV Bureau Veritas S.A.	IEC 60998	11915/E0 BV
DNV DNV GL SE	-	TAE000016Z

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 742-111



Documentation

Additional Information

Technical Section

03.04.2019

pdf

2027.26 KB



CAD/CAE-Data

CAD data

2D/3D Models 742-111



CAE data

EPLAN Data Portal 742-111



ZUKEN Portal 742-111



PCB Design

Symbol and Footprint via SamacSys 742-111



Symbol and Footprint via Ultra Librarian 742-111



1 Compatible Products

1.1 Required Accessories

1.1.1 End plate

1.1.1.1 End plate



[Item No.: 742-100](#)

End plate; snap-fit type; 1.5 mm thick; gray

1.2 Optional Accessories

1.2.1 Test and measurement

1.2.1.1 Testing accessories



Item No.: 210-136

Test plug; 2 mm Ø; with 500 mm cable; red

1.2.2 Tool

1.2.2.1 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

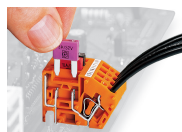
Installation Notes

Testing

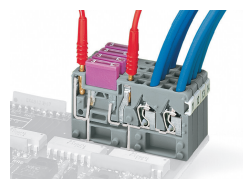


Testing – fuse terminal block

Testing all types of terminal blocks via 2 mm or 2.3 mm Ø test plugs.

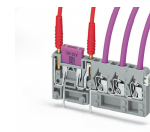


Inserting a fuse.



Testing – fuse terminal block

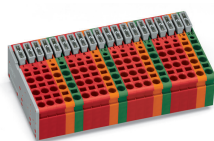
Testing all types of terminal blocks via 2 mm or 2.3 mm Ø test plugs.



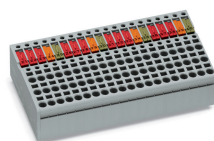
Testing – fuse terminal block

Testing all types of terminal blocks via 2 mm or 2.3 mm Ø test plugs.

Application



Mixed-color terminal strips are available upon request.



Mixed-color knife disconnect/test terminal strips are available upon request.



Custom terminal strips are available upon request.