

## PCB terminal block - FRONT 2,5-V/SA 5-EX- 2 BK - 1709472

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PCB terminal block, pitch: 5 mm, number of positions: 2, connection method: Screw connection, mounting: Soldering, color: black. The article can be aligned to create different nos. of positions!

#### Your advantages

- ✓ Well-known connection principle allows worldwide use
- Satisfies the more stringent safety requirements of "Ex e" protection according to IEC 60079-7 for potentially explosive areas
- Operation and conductor connection from one direction enable integration into front of device
- The latching on the side enables various numbers of positions to be combined



## **Key Commercial Data**

Packing unit	50 pc
GTIN	4 055626 185248
GTIN	4055626185248

## Technical data

#### Item properties

Brief article description	PCB terminal block
Range of articles	FRONT 2,5-V-EX
Pitch	5 mm
Number of positions	2
Connection method	Front screw connection
Mounting type	Wave soldering
Pin layout	Linear double pinning
Number of levels	1

#### Connection capacity

Conductor cross section solid	0.2 mm² 2.5 mm²



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## Connection capacity

Conductor cross section flexible	0.2 mm² 2.5 mm²
Conductor cross section AWG / kcmil	24 14
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm² 1.5 mm²
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm² 1.5 mm²
2 conductors with same cross section, solid	0.2 mm² 0.75 mm²
2 conductors with same cross section, flexible	0.2 mm² 0.75 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve	0.25 mm² 0.34 mm²
Stripping length	9 mm
Torque	0.4 Nm 0.5 Nm

#### Material data - contact

Note	WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/ JEDEC JESD 201
Contact material	Cu alloy
Surface characteristics	Tin-plated
Metal surface terminal point (top layer)	Tin (4 - 8 µm Sn)
Metal surface soldering area (top layer)	Tin (4 - 8 µm Sn)

#### Material data - housing

Insulating material	PA
Insulating material group	I
CTI according to IEC 60112	600
Flammability rating according to UL 94	V0
Glow wire flammability index GWFI according to EN 60695-2-12	850
Glow wire ignition temperature GWIT according to EN 60695-2-13	775
Temperature for the ball pressure test according to EN 60695-10-2	125 °C

## Dimensions for the product

Pitch	5 mm
Solder pin [P]	3.5 mm
Pin spacing	5 mm
Pin dimensions	0.8 x 0.8 mm

## Dimensions for PCB design

Hole diameter	1.2 mm
Pin spacing	5 mm

## Packaging information

Pieces per package	50
Denomination packing units	Pcs.

#### Ambient conditions

Ambient temperature (storage/transport)	-40 °C 70 °C
Ambient temperature (assembly)	-5 °C 100 °C



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## Technical data

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Ambient temperature (operation)	-40 °C	
Termination and connection method		
Test for conductor damage and slackening	IEC 60999-1:1999-11	
	Test passed	
Pull-out test		
Pull-out test	IEC 60999-1:1999-11	
	Test passed	
Conductor cross section / conductor type / tensile force	0.2 mm² / solid / > 10 N	
	0.2 mm² / flexible / > 10 N	
	2.5 mm² / flexible / > 50 N	
	2.5 mm² / solid / > 50 N	
Mechanical tests according to standard		
Test specification	IEC 60947-7-4	
Air clearances and creepage distances		
Insulating material group	I	
Current carrying capacity / derating curves	·	
Specification	IEC 60947-7-4	
Standards and Regulations		
Flammability rating according to UL 94	V0	
Environmental Product Compliance		
China RoHS	Environmentally friendly use period: unlimited = EFUP-e	
	No hazardous substances above threshold values	

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