

PCB terminal block - SPT 16/ 5-H-10,0-ZB BK - 1707226

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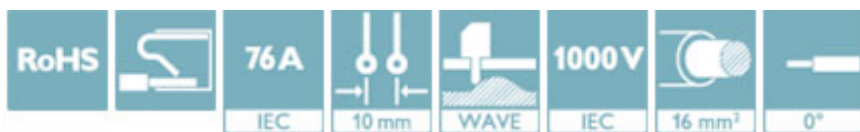


PCB terminal block, nominal current: 76 A, nom. voltage: 1000 V, pitch: 10 mm, number of positions: 5, connection method: Push-in spring connection, mounting: Wave soldering, color: black

The figure shows the 5-position version of the product

Your advantages

- ✓ Time saving push-in connection, tools not required
- ✓ Defined contact force ensures that contact remains stable over the long term
- ✓ Clamping space opened by means of fixed screwdriver enables convenient conductor connection
- ✓ Unrestricted 600-V-UL approval thanks to compact zig-zag pinning
- ✓ Operation and conductor connection from one direction enable integration into front of device



Key Commercial Data

Packing unit	50 pc
Minimum order quantity	50 pc
GTIN	
GTIN	4046356903332

Technical data

Item properties

Brief article description	PCB terminal block
Range of articles	SPT 16/...-H
Pitch	10 mm
Number of positions	5
Connection method	Push-in spring connection
Mounting type	Wave soldering
Pin layout	Zigzag pinning W
Number of levels	1

Electrical parameters

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Technical data

Electrical parameters

Rated current	76 A
Rated insulation voltage (III/2)	1000 V
Rated surge voltage (III/2)	8 kV

Connection capacity

Conductor cross section solid	0.75 mm ² ... 16 mm ²
Conductor cross section flexible	0.75 mm ² ... 16 mm ²
Conductor cross section AWG / kcmil	20 ... 4
Conductor cross section flexible, with ferrule without plastic sleeve	0.75 mm ² ... 16 mm ²
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.75 mm ² ... 10 mm ²
2 conductors with same cross section, stranded, with TWIN ferrules with plastic sleeve	0.75 mm ² ... 4 mm ²
Stripping length	18 mm

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 (10 - 16 µm Sn)
Metal surface soldering area (top layer)	Tin (10 - 16 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

Length [l]	29 mm
Width [w]	51.8 mm
Height [h]	34 mm
Pitch	10 mm
Height (without solder pin)	30 mm
Solder pin [P]	4 mm
Pin spacing	15 mm
Pin dimensions	1.2 x 1 mm
Dimension a	40 mm

Dimensions for PCB design

Hole diameter	1.7 mm
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Technical data

Dimensions for PCB design

Pin spacing	15 mm
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Packaging information

Type of packaging	packed in cardboard
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
Ambient temperature (operation)	-40 °C

Termination and connection method

Pull-out test

Conductor cross section / conductor type / tensile force	0.75 mm ² / solid / > 30 N
	0.75 mm ² / flexible / > 30 N
	16 mm ² / solid / > 100 N
	16 mm ² / flexible / > 100 N

Electrical tests

Rated current	76 A
Rated insulation voltage (III/2)	1000 V
Rated surge voltage (III/2)	8 kV

Air clearances and creepage distances

Specification	IEC 60664-1:1992-10 + A1:2000-02 + A2:2002-05
Insulating material group	I
Voltage	1000 V
Rated insulation voltage (III/3)	1000 V
Rated insulation voltage (III/2)	1000 V
Rated insulation voltage (II/2)	1000 V
Rated surge voltage (III/3)	8 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (II/2)	6 kV

Standards and Regulations

Connection in acc. with standard	EN-VDE
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Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Approvals

Approvals

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Approvals

Approvals

IECEE CB Scheme / SEV / EAC / cULus Recognized

Ex Approvals

Approval details

IECEE CB Scheme		http://www.iecee.org/	CH-8077
Nominal voltage UN		1000 V	
Nominal current IN		76 A	

SEV		https://www.electrosuisse.ch/de/meta/shop/produktezertifikate.html	IK-3431
Nominal voltage UN		1000 V	
Nominal current IN		76 A	
mm²/AWG/kcmil		16	

EAC		B.01742	
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-20061129
		B	C
Nominal voltage UN		600 V	600 V
Nominal current IN		66 A	66 A
mm²/AWG/kcmil		20-4	20-4

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