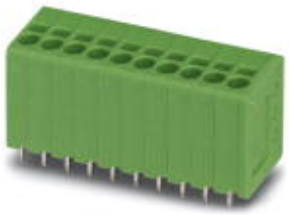
PCB terminal block - SPT 1,5/ 8-V-3,5 BKBDWH:41-48Q - 1774603

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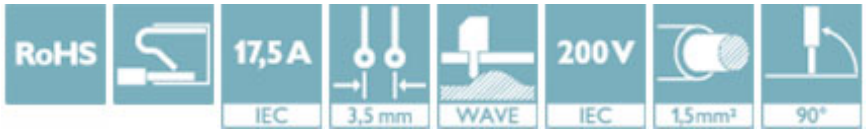


The figure shows a 10-position version of the product

PCB terminal block, nominal current: 17.5 A, nom. voltage: 200 V, pitch: 3.5 mm, number of positions: 8, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 90 °, color: black

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
- Operation and conductor connection from one direction enable integration into front of device
- Two solder pins reduce the mechanical strain on the soldering spots



Key Commercial Data

Packing unit	50 pc
GTIN	4 046356 476850
GTIN	4046356476850

Technical data

Item properties

Brief article description	PCB terminal block
Range of articles	SPT 1,5/..-V
Pitch	3.5 mm
Number of positions	8
Connection method	Push-in spring connection
Mounting type	Wave soldering
Pin layout	Linear double pinning
Number of levels	1

Electrical parameters

Rated current	17.5 A

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Technical data

Electrical parameters

Rated insulation voltage (III/2)	200 V
Rated surge voltage (III/2)	2.5 kV

Connection capacity

Conductor cross section solid	0.2 mm² ... 1.5 mm²
Conductor cross section flexible	0.2 mm² ... 1.5 mm²
Conductor cross section AWG / kcmil	24 ... 16
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm² ... 1.5 mm² (Stripping length 8 mm)
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm² ... 0.75 mm² (Stripping length 8 mm)
Stripping length	10 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	hot-dip 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

Caption	Schematic representation – for additional information, see product range drawing in the Download Center
Length [l]	13.5 mm
Width [w]	29.4 mm
Height [h]	16.9 mm
Pitch	3.5 mm
Height (without solder pin)	14.4 mm
Solder pin [P]	2.5 mm
Pin spacing	3.5 mm
Pin dimensions	0.8 x 0.8 mm
Dimension a	24.5 mm

Dimensions for PCB design

Hole diameter	1.1 mm
Pin spacing	3.5 mm

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Technical data

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

Electrical tests

Rated current	17.5 A
Rated insulation voltage (III/2)	200 V
Rated surge voltage (III/2)	2.5 kV

Air clearances and creepage distances

Insulating material group	I
Voltage	160 V
Rated insulation voltage (III/3)	160 V
Rated insulation voltage (III/2)	200 V
Rated insulation voltage (II/2)	400 V
Rated surge voltage (III/3)	2.5 kV
Rated surge voltage (III/2)	2.5 kV
Rated surge voltage (II/2)	2.5 kV

Standards and Regulations

Connection in acc. with standard	EN-VDE

Environmental Product Compliance

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

Approvals

Approvals

Approvals

CCA / IECEE CB Scheme / SEV / EAC / cULus Recognized

Ex Approvals

Approval details

PCB terminal block - SPT 1,5/ 8-V-3,5 BKBDWH:41-48Q - 1774603

Approvals

CCA		IK-2956
Nominal voltage UN	130 V	
Nominal current IN	17.5 A	
mm²/AWG/kcmil	1.5	

IECEE CB Scheme		http://www.iecee.org/	CH-7429
Nominal voltage UN	130 V		
Nominal current IN	17.5 A		
mm²/AWG/kcmil	1.5		

SEV		https://www.electrosuisse.ch/de/meta/shop/produktezertifikate.html	IK-3150
Nominal voltage UN	130 V		
Nominal current IN	17.5 A		
mm²/AWG/kcmil	1.5		

EAC		B.01742

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-20061129
	D	B	
Nominal voltage UN	300 V	300 V	
Nominal current IN	10 A	10 A	
mm²/AWG/kcmil	24-16	24-16	

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PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
http://www.phoenixcontact.com