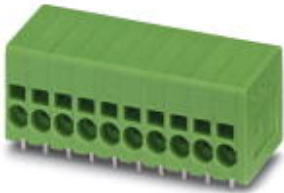


# PCB terminal block - SPT 1,5/ 2-H-3,5 MIXC GY/RD - 1784538

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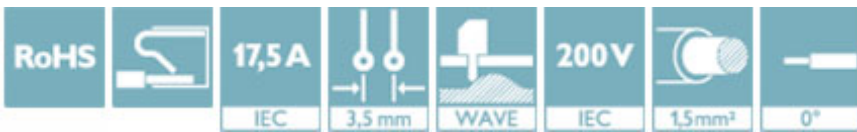


PCB terminal block, nominal current: 17.5 A, nom. voltage: 200 V, pitch: 3.5 mm, number of positions: 2, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: multi-color

The figure shows a 10-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
- ✓ 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	100 pc
GTIN	
GTIN	4046356567350

## Technical data

### Item properties

Brief article description	PCB terminal block
Range of articles	SPT 1,5/..-H
Pitch	3.5 mm
Number of positions	2
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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# PCB terminal block - SPT 1,5/ 2-H-3,5 MIXC GY/RD - 1784538

## 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 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section AWG / kcmil	24 ... 16
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (Stripping length 8 mm)
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm <sup>2</sup> ... 0.75 mm <sup>2</sup> (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

Length [ l ]	14.4 mm
Width [ w ]	8.4 mm
Height [ h ]	16 mm
Pitch	3.5 mm
Height (without solder pin)	13.5 mm
Solder pin [P]	2.5 mm
Pin spacing	3.5 mm
Pin dimensions	0.8 x 0.8 mm
Dimension a	3.5 mm

### Dimensions for PCB design

Hole diameter	1.1 mm
Pin spacing	3.5 mm

### Packaging information

# PCB terminal block - SPT 1,5/ 2-H-3,5 MIXC GY/RD - 1784538

## Technical data

### Packaging information

Type of packaging	packed in cardboard
Pieces per package	100
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	0.2 mm <sup>2</sup> / solid / > 10 N
	0.2 mm <sup>2</sup> / flexible / > 10 N
	1.5 mm <sup>2</sup> / solid / > 40 N
	1.5 mm <sup>2</sup> / flexible / > 40 N

#### 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
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#### Environmental Product Compliance

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

## Approvals

### Approvals

# PCB terminal block - SPT 1,5/ 2-H-3,5 MIXC GY/RD - 1784538

## Approvals

Approvals

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

Ex Approvals

## Approval details

CCA	IK-2956
Nominal voltage UN	130 V
Nominal current IN	17.5 A
mm <sup>2</sup> /AWG/kcmil	1.5

IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	CH-7429
Nominal voltage UN	130 V		
Nominal current IN	17.5 A		
mm <sup>2</sup> /AWG/kcmil	1.5		

SEV		<a href="https://www.electrosuisse.ch/de/meta/shop/produktzertifikate.html">https://www.electrosuisse.ch/de/meta/shop/produktzertifikate.html</a>	IK-3150
Nominal voltage UN	130 V		
Nominal current IN	17.5 A		
mm <sup>2</sup> /AWG/kcmil	1.5		

EAC		B.01742
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cULus Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E60425-20061129
	D	B	
Nominal voltage UN	300 V	300 V	
Nominal current IN	10 A	10 A	
mm <sup>2</sup> /AWG/kcmil	24-16	24-16	

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

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