

# PSTD 0,65X0,65/9-1-2,54 - Pin strip

1252180

<https://www.phoenixcontact.com/us/products/1252180>

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THR



BOX



Pin strip, color: black, nominal current: 3 A (per contact), rated voltage (III/2): 100 V, contact connection type: Pin, number of potentials: 9, number of rows: 1, number of positions: 9, number of connections: 9, product range: PSTD 0,65X0,65/..-1-V, pitch: 2.54 mm, mounting: THR soldering, pin layout: Linear pinning, solder pin [P]: 6.3 mm, locking: without, type of packaging: packed in cardboard

## Your advantages

- Suitable for wave and reflow soldering processes

## Commercial data

Item number	1252180
Packing unit	50 pc
Minimum order quantity	50 pc
Product key	ACHBBZ
GTIN	4063151359386
Weight per piece (including packing)	0.554 g
Weight per piece (excluding packing)	0.42 g
Country of origin	CN

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## Technical data

### Product properties

Product type	Pin strip
Product family	PSTD 0,65X0,65/..-1-V
Type	Pin strip
Number of positions	9
Pitch	2.54 mm
Number of connections	9
Number of rows	1
Number of potentials	9
Pin layout	Linear pinning

### Electrical properties

#### Properties

Nominal current $I_N$	3 A (per contact)
Contact resistance	35.7 mΩ
Rated voltage (III/3)	60 V
Rated surge voltage (III/3)	1.5 kV
Rated voltage (III/2)	100 V
Rated surge voltage (III/2)	1.5 kV
Rated voltage (II/2)	150 V
Rated surge voltage (II/2)	1.5 kV

### Mounting

Mounting type	THR soldering
Pin layout	Linear pinning

### Material specifications

#### Material data - contact

Contact material	Cu alloy
Surface characteristics	Completely gold-plated

#### Material data - housing

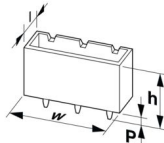
Color (Housing)	black (9005)
Insulating material	PA
Insulating material group	I
CTI according to IEC 60112	600
Flammability rating according to UL 94	V0

### Dimensions

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Dimensional drawing	
Pitch	2.54 mm
Width [w]	22.86 mm
Height [h]	12.1 mm
Length [l]	2.5 mm
Solder pin length [P]	6.3 mm
Pin dimensions	0.635 x 0.635 mm

## Mechanical tests

### Visual inspection

Specification	IEC 60512-1-1:2002-02
Result	Test passed

### Dimension check

Specification	IEC 60512-1-2:2002-02
Result	Test passed

## Electrical tests

### Air clearances and creepage distances |

Specification	IEC 60664-1:2007-04
Insulating material group	I
Rated insulation voltage (III/3)	60 V
Rated surge voltage (III/3)	1.5 kV
minimum clearance value - non-homogenous field (III/3)	0.8 mm
minimum creepage distance (III/3)	1.6 mm
Rated insulation voltage (III/2)	100 V
Rated surge voltage (III/2)	1.5 kV
minimum clearance value - non-homogenous field (III/2)	0.5 mm
minimum creepage distance (III/2)	0.71 mm
Rated insulation voltage (II/2)	150 V
Rated surge voltage (II/2)	1.5 kV
minimum clearance value - non-homogenous field (II/2)	0.5 mm
minimum creepage distance (II/2)	0.8 mm

## Environmental and real-life conditions

### Durability test

Specification	IEC 60512-9-1:2010-03
Impulse withstand voltage at sea level	1.75 kV

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Contact resistance R <sub>1</sub>	35.7 mΩ
Contact resistance R <sub>2</sub>	35.7 mΩ
Insertion/withdrawal cycles	25

## Climatic test

Specification	DIN 50018:2013-05
Corrosive stress	0.2 dm <sup>3</sup> SO <sub>2</sub> on 300 dm <sup>3</sup> /40 °C/1 cycle
Thermal stress	100 °C/168 h
Power-frequency withstand voltage	0.84 kV

## Vibration test

Specification	IEC 60068-2-6:2007-12
Frequency	10 - 150 - 10 Hz
Sweep speed	1 octave/min
Amplitude	0.15 mm (10 Hz ... 58.1 Hz)
Acceleration	20 m/s <sup>2</sup>
Test duration per axis	2.5 h
Test directions	X-, Y- and Z-axis (pos. and neg.)

## Shocks

Specification	IEC 60068-2-27:2008-02
Pulse shape	Semi-sinusoidal
Acceleration	150 m/s <sup>2</sup>
Shock duration	11 ms
Test directions	X-, Y- and Z-axis (pos. and neg.)

## Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 55 °C
Relative humidity (storage/transport)	80 %
Ambient temperature (assembly)	-5 °C ... 100 °C
Ambient temperature (operation)	-40 °C ... 105 °C (dependent on the derating curve)

## Ambient conditions

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Relative humidity (storage/transport)	80 %
Ambient temperature (assembly)	-5 °C ... 100 °C

## Packaging specifications

Type of packaging	packed in cardboard
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## Classifications

### ECLASS

ECLASS-13.0	27460201
ECLASS-15.0	27460201

### ETIM

ETIM 10.0	EC002637
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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