

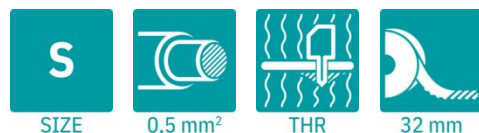
PST 1,0/ 2-5,75 R32 - Pin strip

1574200

<https://www.phoenixcontact.com/us/products/1574200>



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Pin strip, nominal cross section: 0.5 mm², color: black, nominal current: 6 A, rated voltage (III/2): 320 V, contact surface: Sn, contact connection type: Pin, number of potentials: 2, number of rows: 1, number of positions: 2, product range: PST 1,0/...-V, pitch: 5.75 mm, mounting: THR soldering / wave soldering, pin layout: Linear pinning, solder pin [P]: 2.1 mm, plug-in system: COMBICON PST 1,0, locking: without, type of packaging: 32 mm wide tape

Your advantages

- Suitable for wave and reflow soldering processes
- Optimum pin geometry for all COMBICON pin strip connectors

Commercial data

Item number	1574200
Packing unit	350 pc
Minimum order quantity	350 pc
Note	Made to order (non-returnable)
Sales key	AA02
Product key	AABTOA
GTIN	4067923063020
Weight per piece (including packing)	1.4 g
Weight per piece (excluding packing)	0.217 g
Customs tariff number	85366930
Country of origin	CN

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Technical data

Product properties

Product type	Pin strip
Product family	PST 1,0/..-V
Product line	COMBICON Connectors S
Number of positions	2
Pitch	5.75 mm
Number of rows	1
Number of potentials	2
Pin layout	Linear pinning

Electrical properties

Properties

Nominal current I_N	6 A
Nominal voltage U_N	320 V
Contact resistance	1.4 mΩ
Rated voltage (III/3)	250 V
Rated surge voltage (III/3)	4 kV
Rated voltage (III/2)	320 V
Rated surge voltage (III/2)	4 kV
Rated voltage (II/2)	400 V
Rated surge voltage (II/2)	4 kV

Mounting

Mounting type	THR soldering / wave soldering
Pin layout	Linear pinning

Material specifications

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 contact area (top layer)	Tin (2 μm - 5 μm Sn)
Metal surface contact area (middle layer)	Nickel (1 μm - 3 μm Ni)
Metal surface soldering area (top layer)	Tin (2 μm - 5 μm Sn)
Metal surface soldering area (middle layer)	Nickel (1 μm - 3 μm Ni)

Material data - housing

Color (Housing)	black (9005)
Insulating material	LCP
Insulating material group	IIIa

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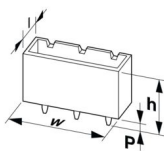


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CTI according to IEC 60112	$\geq 175 < 400$
Flammability rating according to UL 94	V0

Dimensions

Dimensional drawing	
Pitch	3.5 mm
Width [w]	8.55 mm
Height [h]	12 mm
Length [l]	2.8 mm
Installed height	9.9 mm
Solder pin length [P]	2.1 mm

PCB design	
Hole diameter	1.2 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

Contact holder in insert	
Specification	IEC 60512-15-1:2008-05
Contact holder in insert Requirements >20 N	Test passed

Resistance of inscriptions	
Specification	IEC 60068-2-70:1995-12
Result	Test passed

Electrical tests

Thermal test Test group C	
Specification	IEC 60512-5-1:2002-02
Tested number of positions	2

Insulation resistance	
Specification	IEC 60512-3-1:2002-02
Insulation resistance, neighboring positions	> 5 MΩ

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Air clearances and creepage distances |

Specification	IEC 60664-1:2020-05
Insulating material group	IIIa
Comparative tracking index (IEC 60112)	CTI ≥ 175 to < 400
Rated insulation voltage (III/3)	250 V
Rated surge voltage (III/3)	4 kV
minimum clearance value - non-homogenous field (III/3)	3 mm
minimum creepage distance (III/3)	4 mm
Rated insulation voltage (III/2)	320 V
Rated surge voltage (III/2)	4 kV
minimum clearance value - non-homogenous field (III/2)	3 mm
minimum creepage distance (III/2)	3.2 mm
Rated insulation voltage (II/2)	400 V
Rated surge voltage (II/2)	4 kV
minimum clearance value - non-homogenous field (II/2)	3 mm
minimum creepage distance (II/2)	4 mm

Environmental and real-life conditions

Durability test

Specification	IEC 60512-9-1:2010-03
Impulse withstand voltage at sea level	4.8 kV
Contact resistance R_1	1.4 m Ω
Contact resistance R_2	1.6 m Ω
Insertion/withdrawal cycles	25
Insulation resistance, neighboring positions	> 5 M Ω

Climatic test

Specification	EN ISO 22479:2022-06
Corrosive stress	0.2 dm ³ SO ₂ on 300 dm ³ /40 °C/1 cycle
Thermal stress	100 °C/168 h
Power-frequency withstand voltage	2.21 kV

Glow-wire test

Specification	IEC 60695-2-11:2021-10
Temperature	850 °C
Time of exposure	30 s

Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 70 °C
Relative humidity (storage/transport)	30 % ... 70 %
Ambient temperature (assembly)	-5 °C ... 100 °C
Ambient temperature (operation)	-60 °C ... 100 °C (dependent on the derating curve)

Ambient conditions

Ambient temperature (operation)	-60 °C ... 100 °C (dependent on the derating curve)
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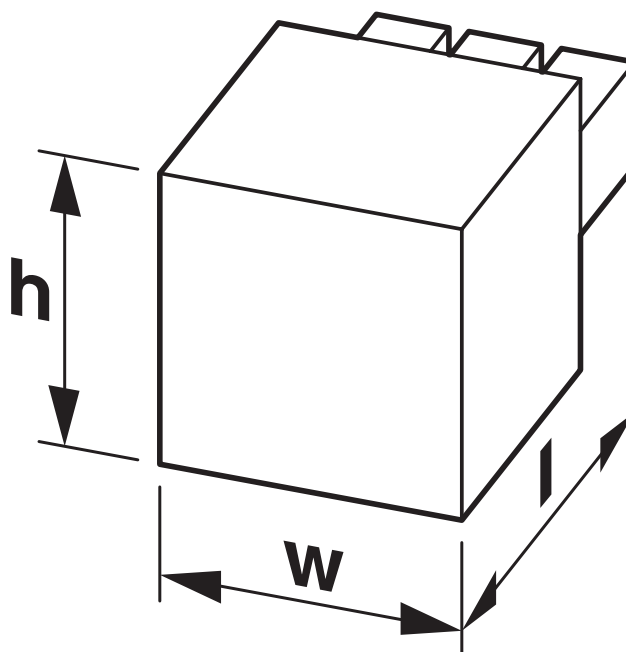
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Relative humidity (storage/transport)	30 % ... 70 %
Ambient temperature (assembly)	-5 °C ... 100 °C

Packaging specifications

Dimensional drawing	
Type of packaging	32 mm wide tape
[W] tape width	32 mm
[W2] coil overall dimension	≤ 38.4 mm
[A] coil diameter	≤ 330 mm
Outer packaging type	Transparent-Bag

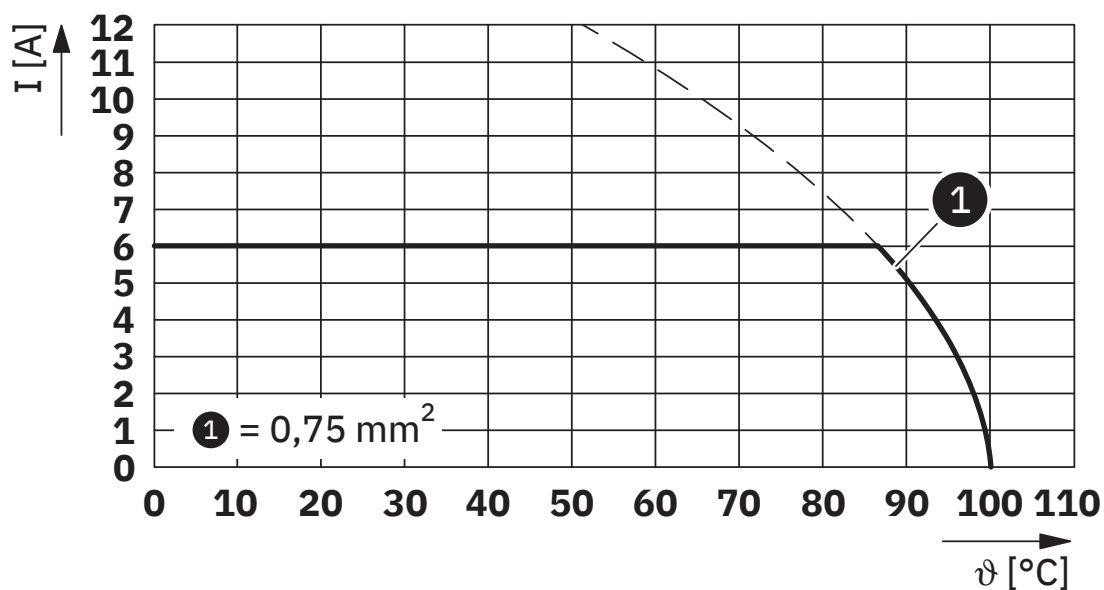
Drawings

Dimensional drawing



Schematic representation – for additional information, see product range drawing in the Download Center

Diagram



Type: PTS 0,5/...-PH-5,75 with PST 1,0/...-5,75

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1574200>

	VDE approval of drawings			
	Approval ID: 40058359			
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine				
	320 V	6 A	-	-

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Classifications

ECLASS

ECLASS-13.0	27460201
ECLASS-15.0	27460201

ETIM

ETIM 10.0	EC002637
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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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