

PST 1,3/16-H-5,0 - Pin strip

1717398

<https://www.phoenixcontact.com/ca/products/1717398>



Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Pin strip, nominal cross section: 1.5 mm², color: black, nominal current: 12 A (depends on the plug used), rated voltage (III/2): 320 V, contact surface: Tin, contact connection type: Pin, number of potentials: 16, number of rows: 1, number of positions: 16, number of connections: 16, product range: PST 1,3/...-H, pitch: 5 mm, mounting: THR soldering, pin layout: Linear pinning, solder pin [P]: 6.8 mm, plug-in system: COMBICON PST 1,3, locking: without, mounting: without, type of packaging: packed in cardboard, The maximum current depends on the plug used. The lower of the two current values apply for plug and pin strip. The pin strip is made of highly temperature resistant plastic and is thus suitable for the reflow process.

Your advantages

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

Commercial data

Item number	1717398
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	AA03
Product key	AACTFB
Catalog page	Page 435 (C-1-2013)
GTIN	4046356138758
Weight per piece (including packing)	3.893 g
Weight per piece (excluding packing)	3.89 g
Customs tariff number	85366930
Country of origin	SK

PST 1,3/16-H-5,0 - Pin strip

1717398

<https://www.phoenixcontact.com/ca/products/1717398>



Technical data

Product properties

Product type	Pin strip
Product family	PST 1,3/..-H
Product line	COMBICON Connectors M
Type	Pin strip
Number of positions	16
Pitch	5 mm
Number of connections	16
Number of rows	1
Number of potentials	16
Mounting flange	without
Pin layout	Linear pinning

Electrical properties

Nominal current I_N	12 A (depends on the plug used)
Nominal voltage U_N	320 V
Degree of pollution	3
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
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 (3 - 5 μm Sn)
Metal surface contact area (middle layer)	Nickel (1 - 3 μm Ni)
Metal surface soldering area (top layer)	Tin (3 - 5 μm Sn)
Metal surface soldering area (middle layer)	Nickel (1 - 3 μm Ni)

Material data - housing

Color (Housing)	black (9005)
Insulating material	PA

PST 1,3/16-H-5,0 - Pin strip

1717398

<https://www.phoenixcontact.com/ca/products/1717398>



Insulating material group	IIIa
CTI according to IEC 60112	250
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

Dimensional drawing	
Pitch	5 mm
Width [w]	80 mm
Height [h]	9.6 mm
Length [l]	12.5 mm
Installed height	2.8 mm
Solder pin length [P]	6.8 mm
Pin dimensions	ø 1.3 mm

PCB design

Hole diameter	1.5 mm
---------------	--------

Electrical tests

Air clearances and creepage distances |

Specification	IEC 60664-1:2007-04
Insulating material group	IIIa
Comparative tracking index (IEC 60112)	CTI 250
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

PST 1,3/16-H-5,0 - Pin strip

1717398

<https://www.phoenixcontact.com/ca/products/1717398>



Environmental and real-life conditions

Ambient conditions

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

Packaging specifications

Type of packaging	packed in cardboard
-------------------	---------------------

PST 1,3/16-H-5,0 - Pin strip


1717398

<https://www.phoenixcontact.com/ca/products/1717398>



Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/ca/products/1717398>

<div> cULus Recognized Approval ID: E60425-20030211</div>				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B				
	300 V	16 A	-	-
Use group D				
	300 V	10 A	-	-

PST 1,3/16-H-5,0 - Pin strip

1717398

<https://www.phoenixcontact.com/ca/products/1717398>



Classifications

ECLASS

ECLASS-11.0	27460201
ECLASS-12.0	27460201
ECLASS-13.0	27460201

ETIM

ETIM 8.0	EC002637
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

PST 1,3/16-H-5,0 - Pin strip

1717398

<https://www.phoenixcontact.com/ca/products/1717398>



Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
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%

PST 1,3/16-H-5,0 - Pin strip

1717398

<https://www.phoenixcontact.com/ca/products/1717398>



Accessories

PTDA 2,5/16-PH-5,0 - PCB connector

1725679

<https://www.phoenixcontact.com/ca/products/1725679>

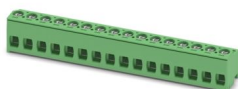


PCB connector, nominal cross section: 2.5 mm², color: green, nominal current: 14 A, rated voltage (III/2): 400 V, contact surface: Tin, contact connection type: Socket, number of potentials: 16, number of rows: 1, number of positions: 16, number of connections: 32, product range: PTDA 2,5/...-PH, pitch: 5 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 45 °, plug-in system: COMBICON PST 1,3, locking: without, mounting: without, type of packaging: packed in cardboard

PT 1,5/16-PH-5,0 - PCB connector

1755729

<https://www.phoenixcontact.com/ca/products/1755729>



PCB connector, nominal cross section: 1.5 mm², color: green, nominal current: 10 A, rated voltage (III/2): 400 V, contact surface: Tin, contact connection type: Socket, number of potentials: 16, number of rows: 1, number of positions: 16, number of connections: 16, product range: PT 1,5/...-PH, pitch: 5 mm, connection method: Screw connection with tension sleeve, screw head form: H1L Slotted Phillips recess, conductor/PCB connection direction: 0 °, plug-in system: COMBICON PST 1,3, locking: without, mounting: without, type of packaging: packed in cardboard

PST 1,3/16-H-5,0 - Pin strip

1717398

<https://www.phoenixcontact.com/ca/products/1717398>



PT 1,5/16-PH-5,0 CLIP - PCB connector

1755871

<https://www.phoenixcontact.com/ca/products/1755871>



PCB connector, nominal cross section: 1.5 mm², color: green, nominal current: 10 A, rated voltage (III/2): 400 V, contact surface: Tin, contact connection type: Socket, number of potentials: 16, number of rows: 1, number of positions: 16, number of connections: 16, product range: PT 1,5/..-PH CLIP, pitch: 5 mm, connection method: Screw connection with tension sleeve, screw head form: H1L Slotted Phillips recess, conductor/PCB connection direction: 0 °, plug-in system: COMBICON PST 1,3, locking: without, mounting: without, type of packaging: packed in cardboard

PT 1,5/16-PVH-5,0 - PCB connector

1935006

<https://www.phoenixcontact.com/ca/products/1935006>



PCB connector, nominal cross section: 1.5 mm², color: green, nominal current: 12 A, rated voltage (III/2): 400 V, contact surface: Tin, contact connection type: Socket, number of potentials: 16, number of rows: 1, number of positions: 16, number of connections: 16, product range: PT 1,5/..-PVH, pitch: 5 mm, connection method: Screw connection with wire protector, screw head form: H1L Slotted Phillips recess, conductor/PCB connection direction: 0 °, plug-in system: COMBICON PST 1,3, locking: without, mounting: without, type of packaging: packed in cardboard

Phoenix Contact 2024 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT Ltd

8240 Parkhill Drive

Milton, Ontario L9T 5V7

1-800-890-2820

cdinfo@phoenixcontact.ca