

SPT 2,5/ 4-H-EX PROFINET 2 - PCB terminal block



1034522

<https://www.phoenixcontact.com/us/products/1034522>

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.



Printed circuit board terminal, nominal current: 23 A, nominal cross section: 2.5 mm², number of potentials: 4, number of rows: 1, number of positions per row: 4, product range: SPT 2,5/..-H-EX PROFINET, pitch: 5 mm, connection method: Push-in spring connection, mounting: Wave soldering, conductor/PCB connection direction: 0 °, color: green, Pin layout: Linear pinning, Solder pin [P]: 2.5 mm, number of solder pins per potential: 2, type of packaging: packed in cardboard. PCB terminal block satisfies the requirements of the "Guideline for PROFINET" in the 2017-05 edition, suitable for CAT5

Your advantages

- Satisfies CAT5 requirements in accordance with EN 50173 and ISO/IEC 11801

Commercial data

Item number	1034522
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	AA13
Product key	AAMBFB
GTIN	4055626539744
Weight per piece (including packing)	5.934 g
Weight per piece (excluding packing)	5.9 g
Customs tariff number	85369010
Country of origin	PL

SPT 2,5/ 4-H-EX PROFINET 2 - PCB terminal block



1034522

<https://www.phoenixcontact.com/us/products/1034522>

Technical data

Product properties

Product type	Printed circuit board terminal
Product family	SPT 2,5/...-H-EX PROFINET
Product line	COMBICON Terminals M
Number of positions	4
Pitch	5 mm
Number of connections	4
Number of rows	1
Number of potentials	4
Pin layout	Linear pinning
Solder pins per potential	2

Electrical properties

Properties

Nominal current I_N	23 A
Nominal voltage U_N	176 V
Rated current / conductor cross-section	23 A/2.5 mm ²

Data transmission

Signal type	PROFINET
Frequency range	to 100 MHz
Transmission medium	Copper
Transmission characteristics (category)	CAT5
Data transmission rate	100 Mbps

Ex data

Ex approval

Identification	0344 [Ⓢ] II 2GD / Ex eb IIC Gb
EU-type examination certificate	KEMA 07ATEX0193 U
IECEx certificate	IECEx KEM 07.0057 U

Connection data

Connection technology

Nominal cross section	2.5 mm ²
-----------------------	---------------------

Conductor connection

Connection method	Push-in spring connection
Conductor cross-section rigid	0.2 mm ² ... 4 mm ²
Conductor cross-section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross-section AWG	24 ... 14
Conductor cross-section, flexible, with ferrule, without plastic	0.25 mm ² ... 2.5 mm ² (Stripping length 8 mm)

SPT 2,5/ 4-H-EX PROFINET 2 - PCB terminal block



1034522

<https://www.phoenixcontact.com/us/products/1034522>

sleeve	
Conductor cross-section, flexible, with ferrule, with plastic sleeve	0.25 mm ² ... 1.5 mm ² (Stripping length 8 mm)
Stripping length	10 mm

Mounting

Mounting type	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	hot-dip tin-plated
Metal surface terminal point (top layer)	Tin (4 µm - 8 µm Sn)
Metal surface soldering area (top layer)	Tin (4 µm - 8 µm Sn)

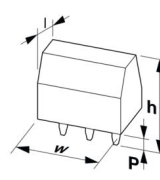
Material data - housing

Color (Housing)	green (6021)
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

Notes

Note on application	The item is qualified for CAT5 Ethernet applications. For this reason, it is suited for use in IoT devices.
---------------------	---

Dimensions

Dimensional drawing	
Pitch	5 mm
Width [w]	23.9 mm
Height [h]	16 mm
Length [l]	14.4 mm
Installed height	13.5 mm
Solder pin length [P]	2.5 mm

SPT 2,5/ 4-H-EX PROFINET 2 - PCB terminal block



1034522

<https://www.phoenixcontact.com/us/products/1034522>

Pin dimensions	0.8 x 0.8 mm
----------------	--------------

PCB design

Pin spacing	8.2 mm
Hole diameter	1.2 mm

Environmental and real-life conditions

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)	-50 °C ... 110 °C

Packaging specifications

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

SPT 2,5/ 4-H-EX PROFINET 2 - PCB terminal block





1034522

<https://www.phoenixcontact.com/us/products/1034522>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1034522>

 ATEX Approval ID: KEMA 07ATEX0193 U				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	176 V	23 A	-	0.2 - 4

 IECEX Approval ID: IECEX KEM 07.0057U				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	176 V	23 A	-	0.2 - 4

SPT 2,5/ 4-H-EX PROFINET 2 - PCB terminal block



1034522

<https://www.phoenixcontact.com/us/products/1034522>

Classifications

ECLASS

ECLASS-13.0	27460101
ECLASS-15.0	27460101

ETIM

ETIM 10.0	EC002643
-----------	----------

UNSPSC

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

SPT 2,5/ 4-H-EX PROFINET 2 - PCB terminal block



1034522

<https://www.phoenixcontact.com/us/products/1034522>

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%
-------------------------------------	----------------------------

EF3.1 Climate Change

CO2e kg	0.056 kg CO2e
---------	---------------

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com