

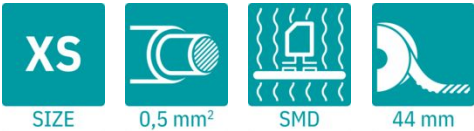
PTSM 0,5/ 4-HV0-2,5-SMD BK R44 - PCB header



1065673

<https://www.phoenixcontact.com/us/products/1065673>

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The figure shows version

PCB headers, nominal cross section: 0.5 mm², color: black, contact surface: Sn, contact connection type: Pin, number of rows: 1, number of positions: 4, product range: PTSM 0,5/..-HV0-SMD, pitch: 2.5 mm, mounting: SMD soldering, pin layout: Linear pad geometry, number of solder pins per potential: 1, plug-in system: COMBICON PTSM, Pin connector pattern alignment: Standard, locking: without, mounting method: without, type of packaging: 44 mm wide tape

Your advantages

- Designed for integration into the SMT soldering process
- Supplied in tape-on-reel packing according to IEC 60286-3 for automated mounting
- Additional solder anchors reduce the mechanical strain on the soldering spots
- Vertical connection enables multi-row arrangement on the PCB

Commercial data

Item number	1065673
Packing unit	400 pc
Minimum order quantity	400 pc
Product key	AAAUPC
GTIN	4055626728766
Weight per piece (including packing)	2.11 g
Weight per piece (excluding packing)	1.95 g
Country of origin	IN

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Technical data

Product properties

Product type	PCB headers
Product family	PTSM 0,5/...-HV0-SMD
Product line	COMBICON Connectors XS
Type	Standard
Number of positions	4
Pitch	2.5 mm
Number of rows	1
Pin layout	Linear pad geometry
Solder pins per potential	1

Mounting

Mounting type	SMD soldering
Pin layout	Linear pad geometry

Processing notes

Process	Reflow soldering
Moisture Sensitive Level	MSL 1
Classification temperature T _c	260 °C
Solder cycles in the reflow	3

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 µm - 5 µm Sn)
Metal surface contact area (middle layer)	Nickel (1.3 µm - 3 µm Ni)
Metal surface soldering area (top layer)	Tin (3 µm - 5 µm Sn)
Metal surface soldering area (middle layer)	Nickel (1.3 µm - 3 µm Ni)

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

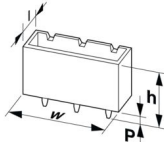
Dimensions

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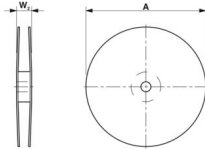
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Dimensional drawing	
Pitch	2.5 mm
Width [w]	15.6 mm
Height [h]	7.5 mm
Length [l]	7.1 mm

Environmental and real-life conditions

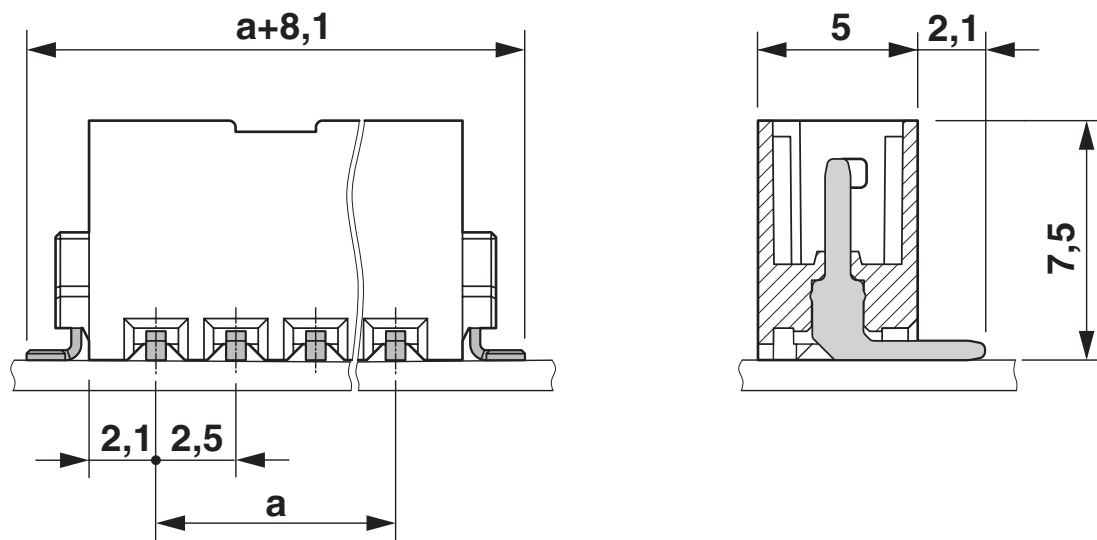
Ambient conditions	
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Relative humidity (storage/transport)	30 % ... 70 %
Ambient temperature (assembly)	-5 °C ... 100 °C
Ambient temperature (operation)	-40 °C ... 100 °C (dependent on the derating curve)

Packaging specifications

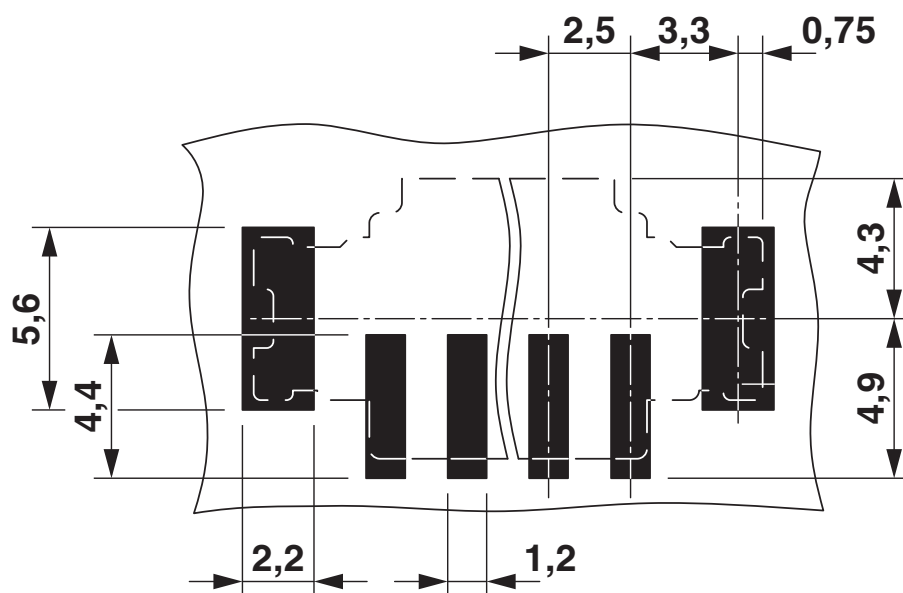
Dimensional drawing	
Type of packaging	44 mm wide tape
[W] tape width	44 mm
[W2] coil overall dimension	≤ 50.4 mm
[A] coil diameter	≤ 330 mm
Outer packaging type	Transparent-Bag

Drawings

Dimensional drawing



Drilling plan/solder pad geometry



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1065673>

 UL Recognized Approval ID: E118976-20130619				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
B				
	150 V	5 A	-	-

 cULus Recognized Approval ID: E60425-20110108				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
B				
	150 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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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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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com