

PTS-5,08- 8 BK - PCB terminal block

1837721

<https://www.phoenixcontact.com/us/products/1837721>

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The figure shows a 1-pos.
version of the product

PCB terminal block, nominal current: 12 A, rated voltage (III/2): 320 V, nominal cross section: 0 mm², number of potentials: 8, number of rows: 1, number of positions per row: 8, product range: PTS, pitch: 5.08 mm, mounting: Wave soldering, color: black, Pin layout: Linear pinning, Solder pin [P]: 3.5 mm, number of solder pins per potential: 2, type of packaging: packed in cardboard

Your advantages

- Color-coded isolating plugs for easy circuit disconnection
- Quick and convenient testing using integrated test option
- Well-known mounting principle allows worldwide use
- The latching on the side enables various numbers of positions to be combined

Commercial data

Item number	1837721
Packing unit	50 pc
Minimum order quantity	50 pc
Note	Made to order (non-returnable)
Product key	AAMQAA
GTIN	4055626036335
Weight per piece (including packing)	22.948 g
Weight per piece (excluding packing)	22.928 g
Country of origin	PL

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Technical data

Product properties

Product type	PCB terminal block
Product family	PTS
Product line	COMBICON Terminals M
Type	Printed circuit disconnect plugs can be aligned
Number of positions	8
Pitch	5.08 mm
Number of connections	8
Number of rows	1
Number of potentials	8
Pin layout	Linear pinning
Solder pins per potential	2

Electrical properties

Properties

Nominal current I_N	12 A
Nominal voltage U_N	320 V
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	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
Metal surface terminal point (top layer)	Tin (5 μ m - 7 μ m Sn)
Metal surface soldering area (top layer)	Tin (5 μ m - 7 μ m Sn)

Material data - housing

Color (Housing)	black (9005)
Insulating material	PA
Insulating material group	I
CTI according to IEC 60112	600

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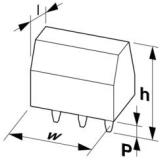


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Flammability rating according to UL 94	V0
Glow wire flammability index GWFI according to EN 60695-2-12	850
Glow wire ignition temperature GWIT according to EN 60695-2-13	775
Temperature for the ball pressure test according to EN 60695-10-2	125 °C

Dimensions

Dimensional drawing	
Pitch	5.08 mm
Height [h]	31.4 mm
Installed height	34.9 mm
Solder pin length [P]	3.5 mm
Pin dimensions	0.8 x 0.9 mm

PCB design

Hole diameter	1.3 mm
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Electrical tests

Air clearances and creepage distances |

Insulating material group	I
Rated insulation voltage (III/3)	250 V
Rated surge voltage (III/3)	4 kV
Rated insulation voltage (III/2)	320 V
Rated surge voltage (III/2)	4 kV
Rated insulation voltage (II/2)	400 V
Rated surge voltage (II/2)	4 kV

Environmental and real-life conditions

Ambient conditions

Relative humidity (storage/transport)	30 % ... 70 %
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Packaging specifications

Type of packaging	packed in cardboard
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Classifications

ECLASS

ECLASS-13.0	27460101
ECLASS-15.0	27460101

ETIM

ETIM 10.0	EC002643
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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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EF3.1 Climate Change

CO2e kg	0.18 kg CO2e
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