

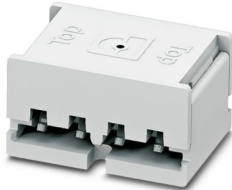
PTF 0,3/ 4-BB-8-H - PCB connector



1707559

<https://www.phoenixcontact.com/us/products/1707559>

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PCB direct plug, nominal cross section: 0.34 mm^2 , color: white, rated voltage (III/2): 25 V, contact surface: Sn, contact connection type: Socket, number of potentials: 4, number of rows: 1, number of positions: 4, number of connections: 4, product range: PTF 0,3/..-BB-H, pitch: 1.9 mm, mounting: Direct plug-in method, plug-in system: COMBICON PTF, type of packaging: packed in cardboard, For flexible PCBs with a width of 8 mm and a permissible PCB thickness in the contact zone of 0.15 mm ... 0.3 mm

Your advantages

- Tool-free fast connection for flexible PCBs
- Small component size for applications where space is at a premium
- Reliable contacting of flexible PCBs, thanks to fixing pin
- Designed and tested according to IEC 60838-2-2

Commercial data

Item number	1707559
Packing unit	25 pc
Minimum order quantity	25 pc
Sales key	AA08
Product key	AAHRAA
GTIN	4046356934237
Weight per piece (including packing)	1.906 g
Weight per piece (excluding packing)	1.906 g
Customs tariff number	85366930
Country of origin	PL

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Technical data

Product properties

Product type	PCB direct plug
Product family	PTF 0,3/..-BB-H
Product line	COMBICON Connectors Special
Number of positions	4
Pitch	1.9 mm
Number of connections	4
Number of rows	1
Number of potentials	4

Data management status

Article revision	04
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Electrical properties

Nominal voltage U_N	< 25 V
Rated voltage (III/3)	25 V
Rated voltage (III/2)	25 V

Mounting

Mounting type	Direct plug-in method
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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 contact area (top layer)	Tin (4 - 8 μm Sn)
Metal surface soldering area (top layer)	Tin (4 - 8 μm Sn)

Material data - housing

Color (Housing)	white (9010)
Insulating material	PBT
Insulating material group	IIIa
CTI according to IEC 60112	275
Flammability rating according to UL 94	V0

Dimensions

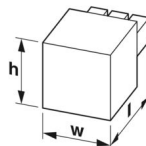
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Dimensional drawing



Pitch	1.9 mm
Width [w]	9.2 mm
Height [h]	4.8 mm
Length [l]	8 mm

Electrical tests

Temperature-rise test

Specification	IEC 60838-1:2004-10 + AMD 1:2008-07 + AMD 2:2011-03
Requirement temperature-rise test	Increase in temperature ≤ 45 K

Insulation resistance

Specification	IEC 60838-1:2004-10 + AMD 1:2008-07 + AMD 2:2011-03
Insulation resistance, neighboring positions	> 1 M Ω

Air clearances and creepage distances |

Specification	IEC 60838-1:2004-10 + AMD 1:2008-07 + AMD 2:2011-03
Insulating material group	IIIa
Rated insulation voltage (III/3)	25 V
Rated insulation voltage (III/2)	25 V

Environmental and real-life conditions

Vibration test

Specification	IEC 60068-2-6:2007-12
Frequency	10 - 500 - 10 Hz
Sweep speed	1 octave/min
Amplitude	0.35 mm (10 Hz ... 60.1 Hz)
Acceleration	5g (60.1 Hz ... 150 Hz)
Test duration per axis	2 h
Test directions	X-, Y- and Z-axis

Glow-wire test

Specification	IEC 60695-2-11:2000-10
Temperature	650 °C
Time of exposure	30 s

Ambient conditions

Ambient temperature (operation)	-30 °C ... 100 °C (dependent on the derating curve)
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Relative humidity (storage/transport)	30 % ... 70 %

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Packaging specifications

Type of packaging	packed in cardboard
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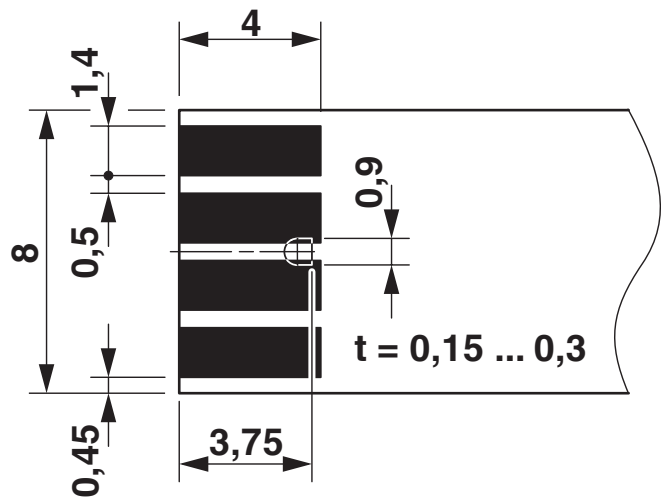


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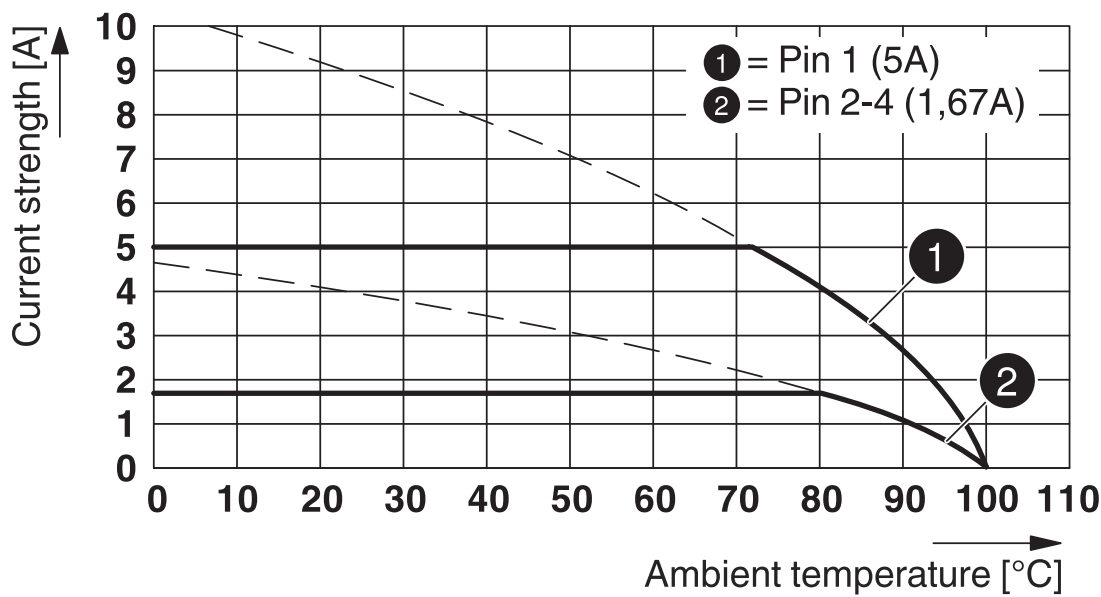
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Drawings

Drilling plan/solder pad geometry



Diagram



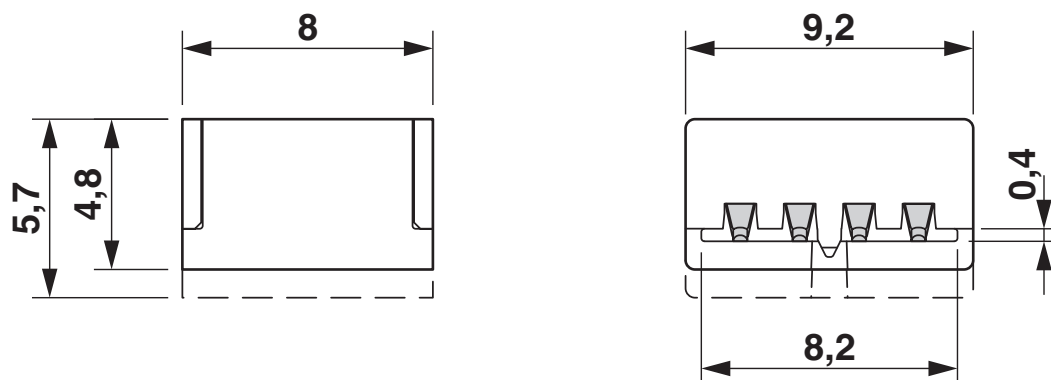
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PTF 0,3/ 4-BB-8-H - PCB connector

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Dimensional drawing



PTF 0,3/ 4-BB-8-H - PCB connector




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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1707559>

	UL Recognized Approval ID: E118976-20130430			
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	60 V	5 A	- 22	-

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Classifications

ECLASS

ECLASS-11.0	27460202
ECLASS-12.0	27460202
ECLASS-13.0	27460202

ETIM

ETIM 9.0	EC002638
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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
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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