

Printed-circuit board connector - PTF 0,3/ 2-WB-8-H - 1707558

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Assembled PCB connectors

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



Key Commercial Data

Packing unit	20 pc
Minimum order quantity	20 pc
GTIN	 4 046356 934251
GTIN	4046356934251

Technical data

Item properties

Brief article description	Cable set
Plug-in system	COMBICON COMPACT PTF
Type of contact	Female connector
Range of articles	PTF 0,3/...-WB-H
Pitch	1.8 mm
Number of positions	2
Connection method	Crimp connection
Mounting type	Direct plug-in method
Number of levels	1
Number of connections	2
Number of potentials	2

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Technical data

Electrical parameters

Nom. voltage	< 25 V
Rated voltage	25 V

Dimensions for the product

Pitch	1.80 mm
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Header 1

Insulating material	PBT
CTI according to IEC 60112	275

Cables / lines 1

Cable type	PVC litz wire
Single wire, color	black
Conductor structure signal line	19x 0.16 mm
Conductor material	Tin-plated Cu litz wires
UL AWM style	10002
Nominal voltage, cable	300 V

Cables / lines 2

Cable type	PVC litz wire
Conductor structure signal line	19x 0.16 mm
Conductor material	Tin-plated Cu litz wires
UL AWM style	10002
Nominal voltage, cable	300 V

Packaging information

Pieces per package	20
Denomination packing units	Pcs.

Ambient conditions

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

Air clearances and creepage distances

Clearances and creepage distances	IEC 60838-1:2004-10 + AMD 1:2008-07 + AMD 2:2011-03
Specification	IEC 60838-1:2004-10 + AMD 1:2008-07 + AMD 2:2011-03

Temperature-rise test

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

Vibration test

Specification	IEC 60068-2-6:2007-12
Result	Test passed
Frequency	10 - 500 - 10 Hz

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Vibration test

Sweep speed	1 octave/min
Amplitude	0.35 mm (10 - 60.1 Hz)
Acceleration	5 g (60.1 - 150 Hz)
Test duration per axis	2 h

Glow-wire test

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

Needle flame test

Specification	IEC 60695-11-5:2004-12
Result	Test passed
Time of exposure	10 s

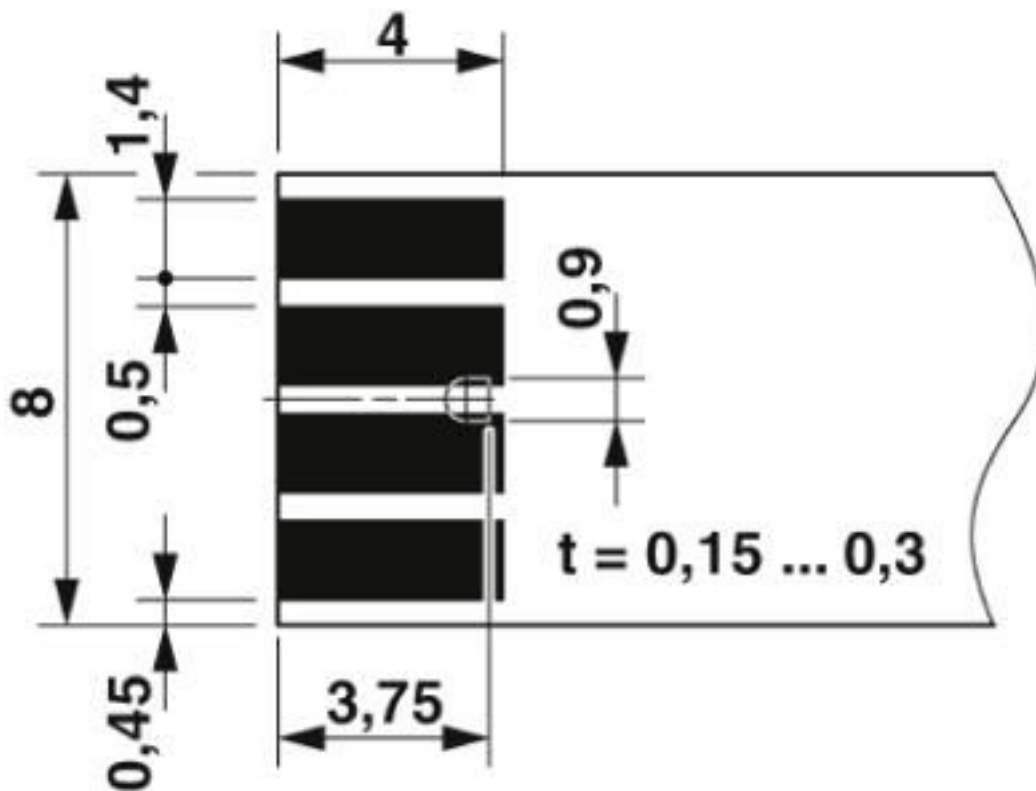
Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

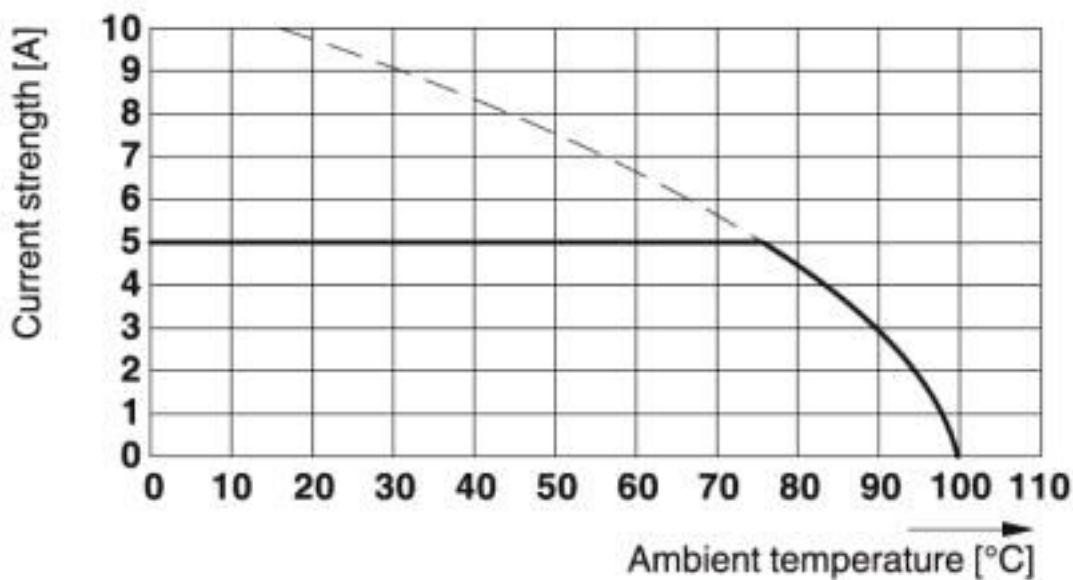
Drawings

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Drilling diagram



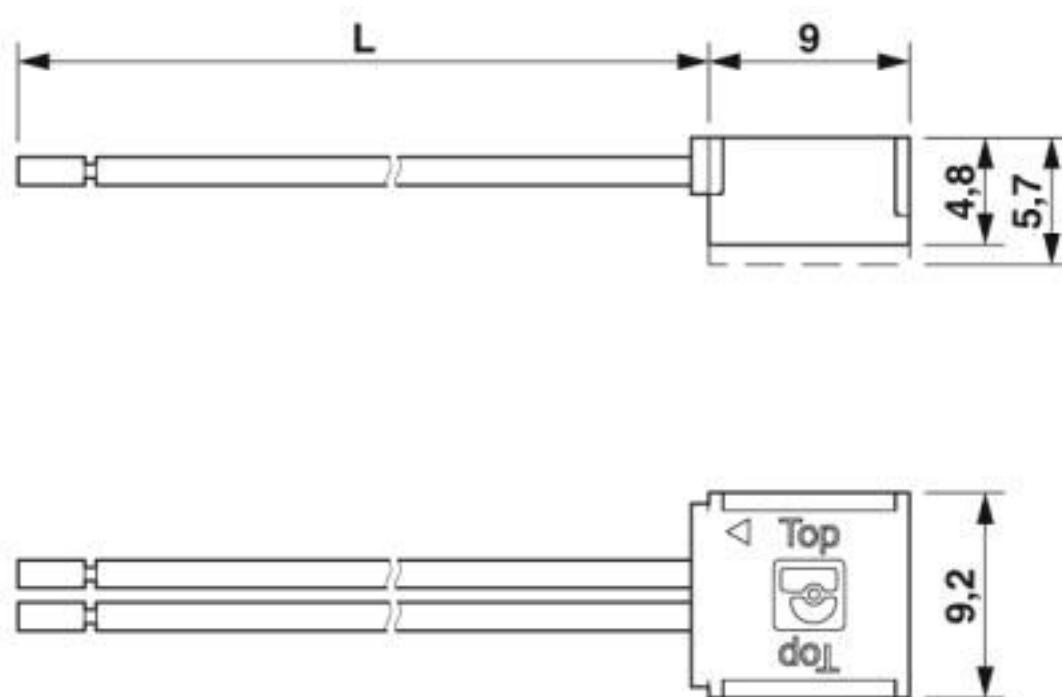
Diagram



Type: PTF 0,3/ 2-WB-8-H

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Dimensional drawing



Classifications

eCl@ss

eCl@ss 10.0.1	27440309
eCl@ss 4.0	27260700
eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
eCl@ss 5.1	27260700
eCl@ss 6.0	27260700
eCl@ss 7.0	27440309
eCl@ss 8.0	27440309
eCl@ss 9.0	27440309

ETIM

ETIM 4.0	EC002643
ETIM 5.0	EC002638
ETIM 6.0	EC002638
ETIM 7.0	EC002638

UNSPSC

UNSPSC 13.2	39121432
UNSPSC 18.0	39121409
UNSPSC 19.0	39121409

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Classifications

UNSPSC

UNSPSC 20.0	39121409
UNSPSC 21.0	39121409

Approvals

Approvals

Approvals

UL Recognized / EAC

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E118976-20130430
Nominal voltage UN	60 V	
Nominal current IN	5 A	
mm ² /AWG/kcmil	22	

EAC		B.01687
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Accessories

Additional products

Printed-circuit board connector - PTF 0,3/ 4-BB-8-H - 1707559



PCB connector, rated voltage (III/2): 25 V, nominal cross section: 0.34 mm², pitch: 1.9 mm, number of positions: 4, mounting: Direct plug-in method, color: white. 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

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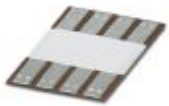
Accessories

Printed-circuit board connector - PTF 0,3/ 4-WB-8-H - 1707561



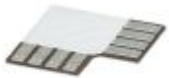
Assembled PCB connectors

PCB - PTF 0,3/ 4-FLEX-I-8 - 1848477



PCB direct plug, number of positions: 4, pitch: 1.8 mm, color: white

PCB - PTF 0,3/ 4-FLEX-L-8 - 1848480



PCB direct plug, nominal cross section: 0.34 mm², number of positions: 4, pitch: 1.8 mm, color: white, mounting: Direct plug-in method

PCB - PTF 0,3/ 4-FLEX-T-8 - 1848493



PCB direct plug, number of positions: 4, pitch: 1.8 mm, color: white

Printed-circuit board connector - PTSM 0,5/ 2-P-2,5 - 1778832



PCB connector, nominal current: 6 A, rated voltage (III/2): 160 V, nominal cross section: 0.5 mm², number of positions: 2, pitch: 2.5 mm, connection method: Push-in spring connection, color: black, contact surface: Tin

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Accessories

Printed-circuit board connector - PTSM 0,5/ 2-P-2,5 WH - 1704853



PCB connector, nominal current: 6 A, rated voltage (III/2): 160 V, nominal cross section: 0.5 mm², number of positions: 2, pitch: 2.5 mm, connection method: Push-in spring connection, color: white, contact surface: Tin

Printed-circuit board connector - PTSM 0,5/ 2-PI-2,5 BK - 1709435



PCB connector, nominal current: 6 A, rated voltage (III/2): 160 V, nominal cross section: 0.5 mm², number of positions: 2, pitch: 2.5 mm, connection method: Push-in spring connection, color: black, contact surface: Tin

Printed-circuit board connector - PTSM 0,5/ 2-PI-2,5 WH - 1709450



PCB connector, nominal current: 6 A, rated voltage (III/2): 160 V, nominal cross section: 0.5 mm², number of positions: 2, pitch: 2.5 mm, connection method: Push-in spring connection, color: white, contact surface: Tin

Printed-circuit board connector - PTSM 0,5/ 2-PL-2,5 WH - 1709457



PCB connector, nominal current: 6 A, rated voltage (III/2): 160 V, nominal cross section: 0.5 mm², number of positions: 2, pitch: 2.5 mm, connection method: Push-in spring connection, color: white, contact surface: Tin

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