

PTF 0,3/ 2-WB-10-H - Cable set

1707562

<https://www.phoenixcontact.com/us/products/1707562>

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Assembled PCB connector



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
- Approval in accordance with UL 1977 demonstrates electrical safety for use in the North American market

Commercial data

Item number	1707562
Packing unit	1 pc
Minimum order quantity	20 pc
Sales key	AA08
Product key	AAHRBD
GTIN	4046356934220
Weight per piece (including packing)	13.95 g
Weight per piece (excluding packing)	10.615 g
Customs tariff number	85444290
Country of origin	PL

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Technical data

Product properties

Product line	COMBICON Connectors Special
Product type	Assembled PCB connector
Product family	PTF 0,3/..-WB-H
Number of positions	2
Pitch	2.40 mm
Number of connections	2
Number of rows	1
Number of potentials	2

Electrical properties

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

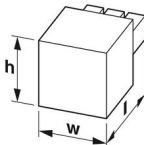
Mounting

Mounting type	Direct plug-in method
Connection method	Crimp connection

Notes

General	Refer to the installation note in the download area.
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Dimensions

Dimensional drawing	
Pitch	2.40 mm
Length [l]	9.00 mm

Mechanical tests

Tensile strength of crimp connections

Result	Test passed
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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

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Insulation resistance

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

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)
Sweep speed	5g (60.1 Hz ... 150 Hz)
Test duration per axis	2 h

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 %
Ambient temperature (assembly)	-5 °C ... 100 °C

Connector

Connection 1

Insulating material	PBT
CTI according to IEC 60112	275

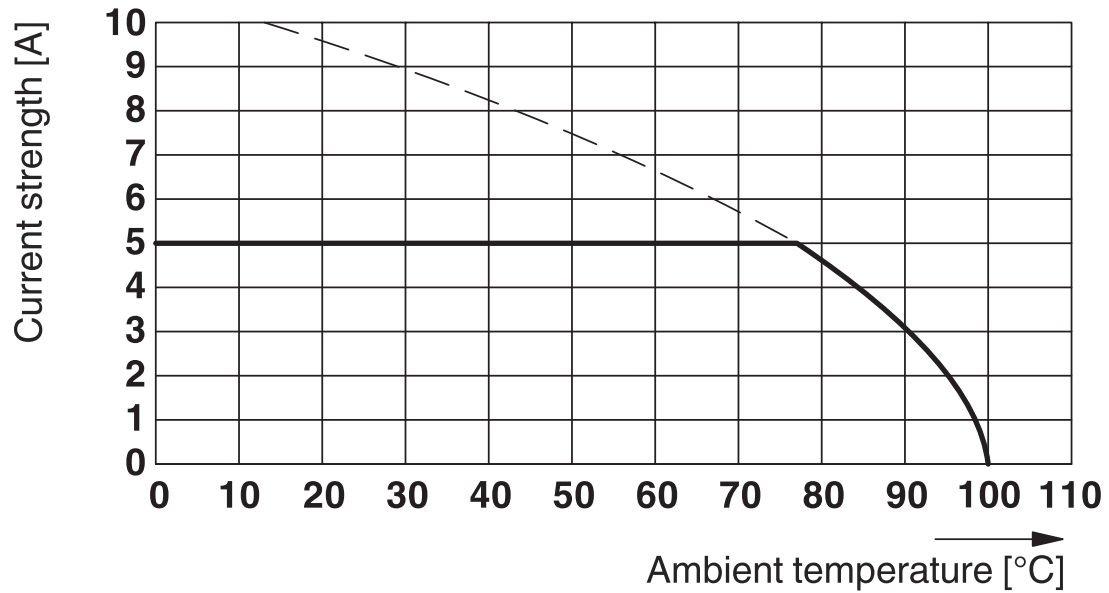
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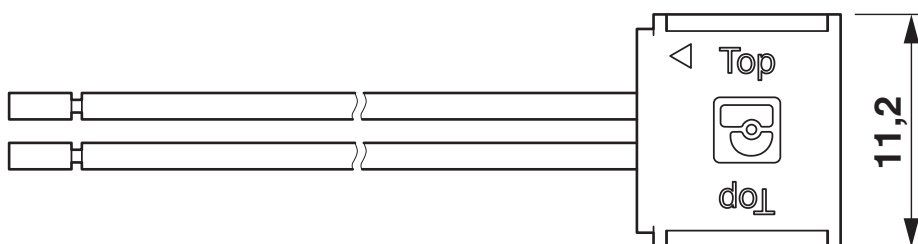
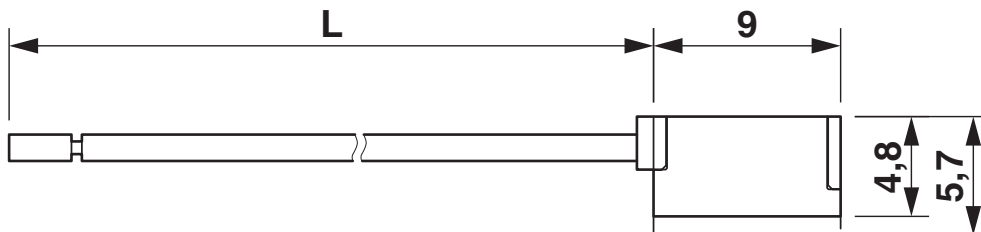
Drawings

Diagram



Type: PTF 0,3/ 2-WB-10-H

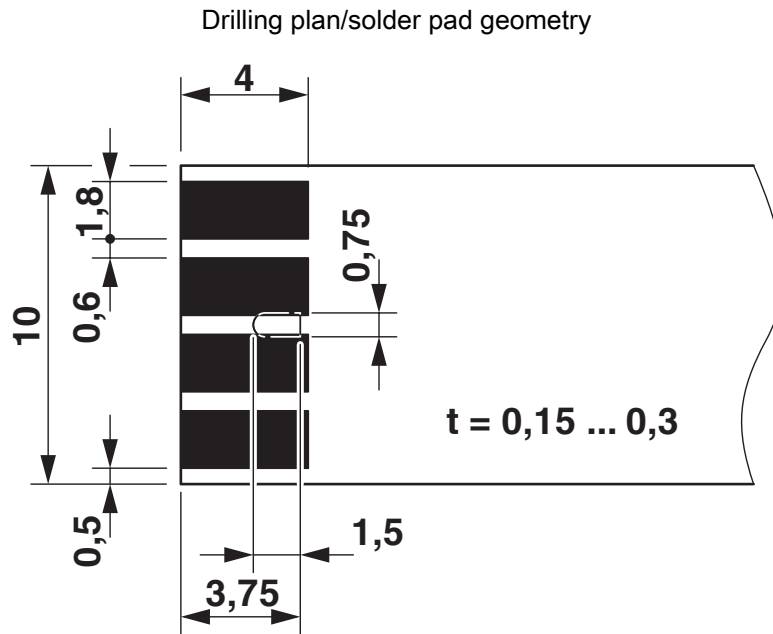
Dimensional drawing



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1707562>

 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

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

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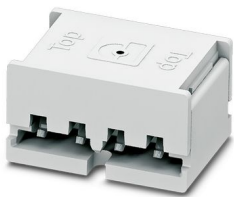


Accessories

PTF 0,3/ 4-BB-10-H - Printed-circuit board connector

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PCB direct plug, nominal cross section: 0.34 mm², color: white, rated voltage (III/2): 25 V, contact surface: Tin, 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: 2.4 mm, mounting: Direct plug-in method, plug-in system: COMBICON PTF, type of packaging: packed in cardboard, For flexible PCBs with a width of 10 mm and a permissible PCB thickness in the contact zone of 0.15 mm ... 0.3 mm

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Assembled PCB connector

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PTF 0,3/ 4-FLEX-I-10 - PCB

1848503

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PCB direct plug, color: white, number of positions: 4, product range: PTF 0,3/..-Flex, pitch: 1.8 mm, type of packaging: packed in cardboard

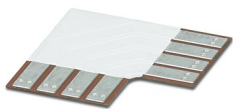


PTF 0,3/ 4-FLEX-L-10 - PCB

1848516

<https://www.phoenixcontact.com/us/products/1848516>

PCB direct plug, nominal cross section: 0.34 mm², color: white, number of potentials: 4, number of rows: 1, number of positions: 4, number of connections: 4, product range: PTF 0,3/..-Flex, pitch: 1.8 mm, mounting: Direct plug-in method, plug-in system: COMBICON PTF, type of packaging: packed in cardboard



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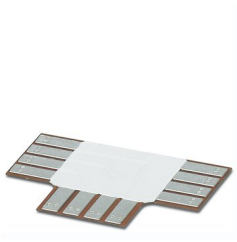
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PTF 0,3/ 4-FLEX-T-10 - PCB

1848529

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PCB direct plug, color: white, number of positions: 4, product range: PTF 0,3/..-Flex, pitch: 1.8 mm, type of packaging: packed in cardboard

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

1778832

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PCB connector, nominal cross section: 0.5 mm², color: black, nominal current: 6 A, rated voltage (III/2): 160 V, contact surface: Tin, contact connection type: Socket, number of potentials: 2, number of rows: 1, number of positions: 2, number of connections: 2, product range: PTSM 0,5/..-P, pitch: 2.5 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, plug-in system: COMBICON PTSM, locking: without, mounting: without, type of packaging: packed in cardboard

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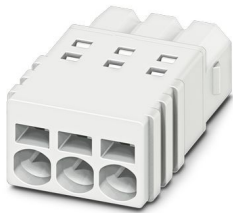
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PTSM 0,5/ 2-P-2,5 WH - PCB connector

1704853

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PCB connector, nominal cross section: 0.5 mm², color: white, nominal current: 6 A, rated voltage (III/2): 160 V, contact surface: Tin, contact connection type: Socket, number of potentials: 2, number of rows: 1, number of positions: 2, number of connections: 2, product range: PTSM 0,5/..-P WH, pitch: 2.5 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, plug-in system: COMBICON PTSM, locking: without, mounting: without, type of packaging: packed in cardboard

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

1709435

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PCB connector, nominal cross section: 0.5 mm², color: black, nominal current: 6 A, rated voltage (III/2): 160 V, contact surface: Tin, contact connection type: Pin, number of potentials: 2, number of rows: 1, number of positions: 2, number of connections: 2, product range: PTSM 0,5/..-PI, pitch: 2.5 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, plug-in system: COMBICON PTSM, locking: without, mounting: without, type of packaging: packed in cardboard

PTF 0,3/ 2-WB-10-H - Cable set



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

1709450

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PCB connector, nominal cross section: 0.5 mm², color: white, nominal current: 6 A, rated voltage (III/2): 160 V, contact surface: Tin, contact connection type: Pin, number of potentials: 2, number of rows: 1, number of positions: 2, number of connections: 2, product range: PTSM 0,5/...-PI WH, pitch: 2.5 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, plug-in system: COMBICON PTSM, locking: without, mounting: without, type of packaging: packed in cardboard

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

1709457

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PCB connector, nominal cross section: 0.5 mm², color: white, nominal current: 6 A, rated voltage (III/2): 160 V, contact surface: Tin, contact connection type: Socket, number of potentials: 2, number of rows: 1, number of positions: 2, number of connections: 2, product range: PTSM 0,5/...-PL WH, pitch: 2.5 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, plug-in system: COMBICON PTSM, locking: Snap-in locking, mounting: Self-locking flange, type of packaging: packed in cardboard

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