

# Printed-circuit board connector - PTS 1,5/ 2-PH-5,0 - 1805517

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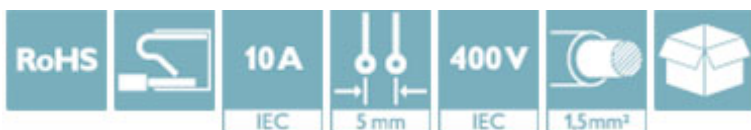
Plug component, Nominal current: 10 A, Rated voltage (III/2): 400 V, Number of positions: 2, Pitch: 5 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin




The figure shows a 10-position version of the product

## Why buy this product

- Time saving push-in connection, tools not required
- Defined contact force ensures that contact remains stable over the long term
- Intuitive use through colour coded actuation lever
- Quick and convenient testing using integrated test option
- Largest possible clamping space in a small component size



## Key Commercial Data

Packing unit	250 STK
GTIN	 4 046356 679121
GTIN	4046356679121
Weight per Piece (excluding packing)	1.000 g
Custom tariff number	85366990
Country of origin	Bulgaria

## Technical data

### Dimensions

Length	12.8 mm
Height	11.7 mm
Width	10 mm
Pitch	5 mm
Dimension a	5 mm

### General

Range of articles	PTS 1,5/...-PH
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## Technical data

### General

Type of contact	Female connector
Number of positions	2
Connection method	Push-in spring connection
Insulating material group	I
Rated surge voltage (III/3)	4 kV
Rated surge voltage (III/2)	4 kV
Rated surge voltage (II/2)	4 kV
Rated voltage (III/3)	250 V
Rated voltage (III/2)	400 V
Rated voltage (II/2)	600 V
Nominal current I <sub>N</sub>	10 A
Nominal cross section	1.5 mm <sup>2</sup>
Maximum load current	10 A
Insulating material	PA
Flammability rating according to UL 94	V0
Stripping length	8 mm

### Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	1.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup> 1
Conductor cross section flexible, with ferrule with plastic sleeve max.	1 mm <sup>2</sup>
Conductor cross section AWG min.	26
Conductor cross section AWG max.	14

### Standards and Regulations

Flammability rating according to UL 94	V0
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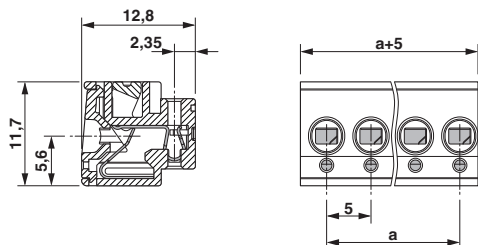
### Environmental Product Compliance

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

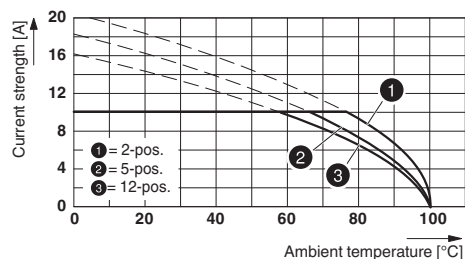
## Drawings

# Printed-circuit board connector - PTS 1,5/ 2-PH-5,0 - 1805517

Dimensional drawing



Diagram



Type: PTS 1,5/...-PH-5,0 with PST 1,3/...-5,0

## Classifications

### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27141109
eCl@ss 5.0	27141190
eCl@ss 5.1	27141190
eCl@ss 6.0	27260704
eCl@ss 7.0	27440402
eCl@ss 8.0	27440309
eCl@ss 9.0	27440309

### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002637
ETIM 5.0	EC002637
ETIM 6.0	EC002637

### UNSPSC

UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432
UNSPSC 11	34131203
UNSPSC 12.01	39121432
UNSPSC 13.2	39121409

## Approvals

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VDE Gutachten mit Fertigungsüberwachung / IEC CB Scheme / EAC / cULus Recognized

### Ex Approvals

# Printed-circuit board connector - PTS 1,5/ 2-PH-5,0 - 1805517

## Approvals

### Approval details

VDE Gutachten mit Fertigungsüberwachung		<a href="http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx">http://www.vde.com/en/Institute/OnlineService/VDE-approved-products/Pages/Online-Search.aspx</a>	40040542
mm <sup>2</sup> /AWG/kcmil	0.2-2.5		
Nominal current I <sub>N</sub>	10 A		
Nominal voltage U <sub>N</sub>	320 V		

IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-55439
mm <sup>2</sup> /AWG/kcmil	0.2-2.5		
Nominal current I <sub>N</sub>	10 A		
Nominal voltage U <sub>N</sub>	320 V		

EAC		B.01742
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cULus Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E60425-20030211
	B	D	
mm <sup>2</sup> /AWG/kcmil	26-14	26-14	
Nominal current I <sub>N</sub>	7 A	7 A	
Nominal voltage U <sub>N</sub>	300 V	300 V	

## Accessories

Accessories

Coding element

Coding profile - CP-PTDA - 1731361



## Printed-circuit board connector - PTS 1,5/ 2-PH-5,0 - 1805517

### Accessories

#### Screwdriver tools

Screwdriver - SZF 1-0,6X3,5 - 1204517



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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### Additional products

Pin strip - PST 1,3/ 2-5,0 - 1933189



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Color: black, Contact surface: Tin, Mounting: THR soldering, The maximum current depends on the plug used. The lower of the two current values apply for plug and pin strip. The pin strip is made of highly temperature resistant plastic and is thus suitable for the reflow process.

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Pin strip - PST 1,3/ 2-5,0-SF - 1805627



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Color: black, Contact surface: Tin, Mounting: THR soldering, The pin strip is made of highly temperature-resistant plastic and is therefore suitable for the reflow process.

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Pin strip - PST 1,3/ 2-5,0 R24 - 1720301



Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 2, Pitch: 5 mm, Color: black, Contact surface: Tin, Mounting: THR soldering, The maximum current depends on the plug used. The lower of the two current values apply for plug and pin strip. The pin strip is made of highly temperature resistant plastic and is thus suitable for the reflow process.