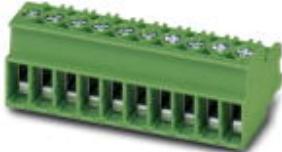


## Printed-circuit board connector - PT 2,5/12-PVH-5,0 - 1704262

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Plug component, nominal current: 14 A, rated voltage (III/2): 320 V, number of positions: 12, pitch: 5 mm, connection method: Screw connection with wire protector, Color: green, Contact surface: Tin



The figure shows a 10-position version of the product

### Why buy this product

- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- High terminal block capacity thanks to rectangular terminal block space
- Allows connection of two conductors
- Different plug-in directions for flexible device designs
- The latching on the side enables various numbers of positions to be combined



### Key Commercial Data

Packing unit	1 STK
Minimum order quantity	50 STK
GTIN	 4 017918 994877
GTIN	4017918994877
Weight per Piece (excluding packing)	20.770 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Dimensions

Length	19.7 mm
Height	15 mm

# Printed-circuit board connector - PT 2,5/12-PVH-5,0 - 1704262

## Technical data

### Dimensions

Width	60.00 mm
Pitch	5 mm
Dimension a	55.00 mm

### General

Range of articles	PT 2,5/..-PVH
Type of contact	Female connector
Number of positions	12
Connection method	Screw connection with wire protector
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)	320 V
Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	13.5 A
Nominal cross section	2.5 mm <sup>2</sup>
Maximum load current	13.5 A
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	A3 / B3
Stripping length	8 mm
Screw thread	M3
Tightening torque, min	0.45 Nm
Tightening torque max	0.5 Nm

### Connection data

Conductor cross section solid min.	0.5 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
Conductor cross section flexible min.	0.5 mm <sup>2</sup>
Conductor cross section flexible max.	4 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section AWG min.	20

## Printed-circuit board connector - PT 2,5/12-PVH-5,0 - 1704262

### Technical data

#### Connection data

Conductor cross section AWG max.	12
2 conductors with same cross section, solid min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, solid max.	1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm <sup>2</sup> When using ferrules, 250 V are only achieved in combination with surge voltage category/degree of pollution II/2.
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.75 mm <sup>2</sup> When using ferrules, 250 V are only achieved in combination with surge voltage category/degree of pollution II/2.
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup> When using ferrules, 250 V are only achieved in combination with surge voltage category/degree of pollution II/2.
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm <sup>2</sup> When using ferrules, 250 V are only achieved in combination with surge voltage category/degree of pollution II/2.
Minimum AWG according to UL/CUL	26
Maximum AWG according to UL/CUL	12

#### Standards and Regulations

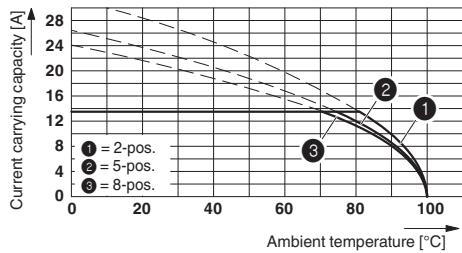
Connection in acc. with standard	EN-VDE
	CUL
Flammability rating according to UL 94	V0

#### Environmental Product Compliance

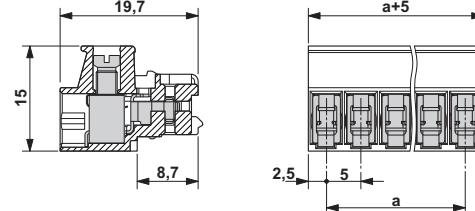
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

### Drawings

Diagram



Dimensional drawing



Derating diagram in connection with PST 1,3...-LH-5,0 pin strip; reduction factor=0.8; conductor cross section=4 mm<sup>2</sup>

## Printed-circuit board connector - PT 2,5/12-PVH-5,0 - 1704262

### 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	27261101
eCl@ss 7.0	27440401
eCl@ss 8.0	27440309
eCl@ss 9.0	27440309

#### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	EC002638
ETIM 6.0	EC002638

#### UNSPSC

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

### Approvals

#### Approvals

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#### Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

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#### Ex Approvals

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#### Approval details

## Printed-circuit board connector - PT 2,5/12-PVH-5,0 - 1704262

### Approvals

UL 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>	FILE E 60425
		B	D
mm <sup>2</sup> /AWG/kcmil		26-12	26-12
Nominal current IN		10 A	10 A
Nominal voltage UN		300 V	300 V

cUL 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>	FILE E 60425
		B	D
mm <sup>2</sup> /AWG/kcmil		26-12	26-12
Nominal current IN		10 A	10 A
Nominal voltage UN		300 V	300 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>
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### Accessories

Accessories  
Coding element

Coding profile - CP-PT 2,5 - 1733398

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### Screwdriver tools

## Printed-circuit board connector - PT 2,5/12-PVH-5,0 - 1704262

### Accessories

Screwdriver - SZS 0,6X3,5 - 1205053



Actuation tool, for ST terminal blocks, insulated, 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 1,3/12-LH-5,0 - 1704424



Header, nominal current: 14 A, rated voltage (III/2): 400 V, number of positions: 12, 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 1,3/12-LV-5,0 - 1704589



Header, nominal current: 14 A, rated voltage (III/2): 400 V, number of positions: 12, 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 1,3/12-5,0 - 1933286



Header, nominal current: 12 A, rated voltage (III/2): 320 V, number of positions: 12, 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.