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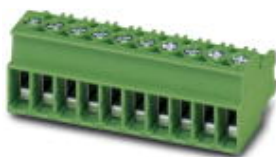
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## Printed-circuit board connector - PT 2,5/ 7-PVH-5,0 - 1704217

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Plug component, Nominal current: 14 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5 mm, Connection method: Screw connection, Color: green, Contact surface: Tin



The figure shows a 10-position version of the product

### Product Features

- ✓ Patented coding available on request
- ✓ 5.0 mm pitch
- ✓ Reliable contact system with high current carrying capacity
- ✓ Very stable thanks to the L-shaped base strips
- ✓ Highly flexible conductor protection for easy, repeated connection
- ✓ Plug-in system with a total of five plug-in options



### Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	12.09 GRM
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Dimensions

Pitch	5 mm
Dimension a	30 mm

#### General

Range of articles	PT 2,5/...-PVH
Insulating material group	I
Rated surge voltage (III/3)	4 kV
Rated surge voltage (III/2)	4 kV

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## Printed-circuit board connector - PT 2,5/ 7-PVH-5,0 - 1704217

### Technical data

#### General

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
Inflammability class according to UL 94	V0
Internal cylindrical gage	A3 / B3
Stripping length	8 mm
Number of positions	7
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 stranded min.	0.5 mm <sup>2</sup>
Conductor cross section stranded max.	4 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil 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/pollution degree 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/pollution degree 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/pollution degree II/2.

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## Printed-circuit board connector - PT 2,5/ 7-PVH-5,0 - 1704217

### Technical data

#### Connection data

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/pollution degree II/2.
Minimum AWG according to UL/CUL	26
Maximum AWG according to UL/CUL	12

### 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	27440402

#### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	EC002638

#### UNSPSC

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

### Approvals

#### Approvals

Approvals

UL Recognized / cUL Recognized / cULus Recognized

Ex Approvals

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## Printed-circuit board connector - PT 2,5/ 7-PVH-5,0 - 1704217

### Approvals

Approvals submitted

### Approval details

UL Recognized

	B	D
mm <sup>2</sup> /AWG/kcmil	26-12	26-12
Nominal current I <sub>N</sub>	10 A	10 A
Nominal voltage U <sub>N</sub>	300 V	300 V

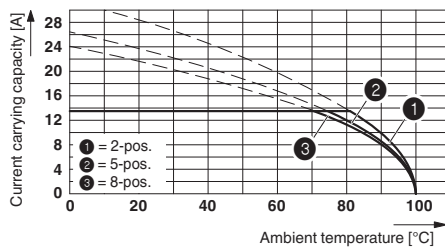
cUL Recognized

	B	D
mm <sup>2</sup> /AWG/kcmil	26-12	26-12
Nominal current I <sub>N</sub>	10 A	10 A
Nominal voltage U <sub>N</sub>	300 V	300 V

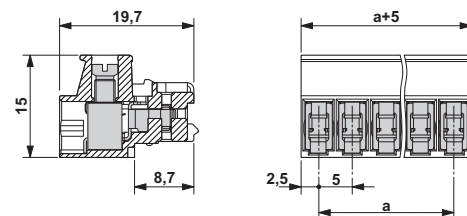
cULus Recognized

### Drawings

Diagram



Dimensioned 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>

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