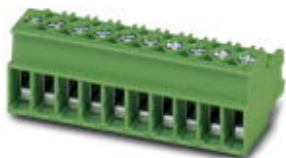


Printed-circuit board connector - PT 2,5/ 7-PVH-5,0 - 1704217

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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

Why buy this product

- 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 | 100 pc |
| GTIN |  4 017918 994822 |
| Weight per Piece (excluding packing) | 11.53 g |
| Custom tariff number | 85366990 |
| Country of origin | Germany |
| Note | Made to Order (non-returnable) |

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 |

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 ² |
| 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 ² |
| Conductor cross section solid max. | 4 mm ² |
| Conductor cross section stranded min. | 0.5 mm ² |
| Conductor cross section stranded max. | 4 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.5 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 2.5 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve min. | 0.5 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve max. | 2.5 mm ² |
| 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 ² |
| 2 conductors with same cross section, solid max. | 1.5 mm ² |
| 2 conductors with same cross section, stranded min. | 0.5 mm ² |
| 2 conductors with same cross section, stranded max. | 1.5 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.5 mm ² 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 ² 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 ² 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, max. | 1.5 mm ² 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 |

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

Technical data

Connection data

| | |
|---------------------------------|----|
| 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 | 27440309 |

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

Approvals submitted

Approval details

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

Approvals

| | | |
|--------------------------------|-------|-------|
| UL Recognized | | |
| | B | D |
| mm ² /AWG/kcmil | 26-12 | 26-12 |
| Nominal current I _N | 10 A | 10 A |
| Nominal voltage U _N | 300 V | 300 V |

| | | |
|--------------------------------|-------|-------|
| cUL Recognized | | |
| | B | D |
| mm ² /AWG/kcmil | 26-12 | 26-12 |
| Nominal current I _N | 10 A | 10 A |
| Nominal voltage U _N | 300 V | 300 V |

| | | |
|------------------|--|--|
| cULus Recognized | | |
|------------------|--|--|

Accessories

Additional products

Printed-circuit board connector - PST 1,3/ 7-LH-5,0 - 1704372

Header, Nominal current: 14 A, Rated voltage (III/2): 400 V, Number of positions: 7, Pitch: 5 mm, Color: black, Contact surface: Tin, Mounting: Soldering, Voltage and current depend on the plug-in terminal block used.



Printed-circuit board connector - PST 1,3/ 7-LV-5,0 - 1704534

Header, Nominal current: 14 A, Rated voltage (III/2): 400 V, Number of positions: 7, Pitch: 5 mm, Color: black, Contact surface: Tin, Mounting: Soldering, Voltage and current depend on the plug-in terminal block used.



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

Accessories

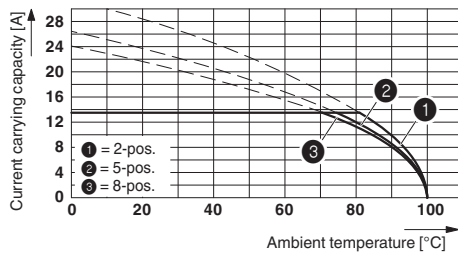
Pin strip - PST 1,3/ 7-5,0 - 1933231

Header, Nominal current: 12 A, Rated voltage (III/2): 320 V, Number of positions: 7, Pitch: 5 mm, Color: black, Contact surface: Tin, Mounting: Soldering, Voltage and current depend on the plug-in terminal block used. The value of the weaker component is always valid. Over 16 pos. upon request. The pin strip is made of highly temperature resistant plastic and is thus suitable for the reflow process.

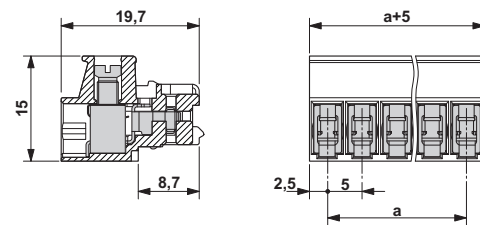


Drawings

Diagram



Dimensioned drawing



Derating diagram in connection with PST 1,3...-LH-5,0 pin strip; reduction factor=0.8; conductor cross section=4 mm²