Printed-circuit board connector - PT 2,5/ 2-PVH-5,0 - 1704165

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Plug component, Nominal current: 14 A, Rated voltage (III/2): 320 V, Number of positions: 2, 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
- Very stable thanks to the L-shaped base strips
- Reliable contact system with high current carrying capacity
- Highly flexible conductor protection for easy, repeated connection
- Plug-in system with a total of five plug-in options

Key commercial data

Packing unit	250 pc
Minimum order quantity	250 pc
GTIN	4 017918 994778
Weight per Piece (excluding packing)	2.89 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Pitch	5 mm
Dimension a	5 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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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 mm²
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	2
Screw thread	M3
Tightening torque, min	0.45 Nm
Tightening torque max	0.5 Nm

Connection data

Conductor cross section solid min.	0.5 mm²
Conductor cross section solid max.	4 mm²
Conductor cross section stranded min.	0.5 mm²
Conductor cross section stranded max.	4 mm²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.5 mm²
Conductor cross section stranded, with ferrule without plastic sleeve max.	2.5 mm²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.5 mm²
Conductor cross section stranded, with ferrule with plastic sleeve max.	2.5 mm²
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	12
2 conductors with same cross section, solid min.	0.5 mm²
2 conductors with same cross section, solid max.	1.5 mm²
2 conductors with same cross section, stranded min.	0.5 mm²
2 conductors with same cross section, stranded max.	1.5 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm² 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 mm² 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 mm² 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 mm² 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

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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/ 2-PVH-5,0 - 1704165

Approvals

UL Recognized

	B	D
mm²/AWG/kcmil	26-12	26-12
Nominal current IN	10 A	10 A
Nominal voltage UN	300 V	300 V

cUL Recognized

	B	D
mm²/AWG/kcmil	26-12	26-12
Nominal current IN	10 A	10 A
Nominal voltage UN	300 V	300 V

cULus Recognized

Accessories

Additional products

Printed-circuit board connector - PST 1,3/ 2-LH-5,0 - 1704275

Header, Nominal current: 14 A, Rated voltage (III/2): 400 V, Number of positions: 2, 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/ 2-LV-5,0 - 1704437

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

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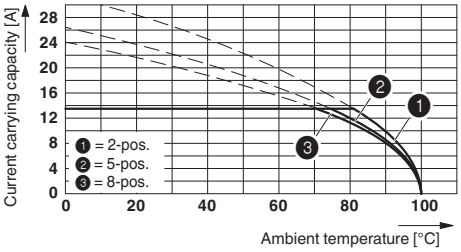
Accessories

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: 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.

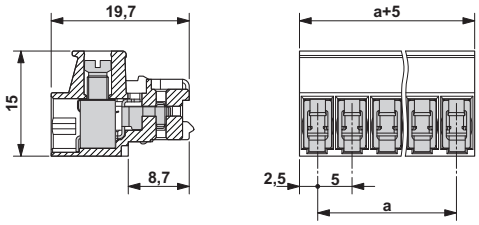
Drawings

Diagram



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

Dimensioned drawing



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