

# Printed-circuit board connector - PC 16/ 2-ST-10,16 - 1967375

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Plug component, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 2, Pitch: 10.16 mm, Connection method: Screw connection, Color: green, Contact surface: Silver

The figure shows a 5-pos. version of the product

## Product Features

- Can be plugged into PC 6-16 headers and IPC 16 plugs
- High-capacity plugs with a current carrying capacity of 76 A and a connection capacity of 16 mm<sup>2</sup>, stranded
- Unlimited 600 V UL approval
- Maximum contact reliability due to integrated double steel spring
- CP-PC RD coding profile

## Key commercial data

<b>package_quantity</b>	50
<b>GTIN</b>	4017918939236

## Technical data

### Dimensions

<b>Pitch</b>	10.16 mm
<b>Dimension a</b>	10.16 mm

### General

<b>Range of articles</b>	PC 16/..-ST
<b>Insulating material group</b>	I
<b>Rated surge voltage (III/3)</b>	8 kV
<b>Rated surge voltage (III/2)</b>	8 kV
<b>Rated surge voltage (II/2)</b>	6 kV
<b>Rated voltage (III/3)</b>	1000 V
<b>Rated voltage (III/2)</b>	1000 V
<b>Rated voltage (II/2)</b>	1000 V
<b>Connection in acc. with standard</b>	EN-VDE
<b>Nominal current I<sub>N</sub></b>	76 A
<b>Nominal cross section</b>	16 mm <sup>2</sup>
<b>Maximum load current</b>	76 A
<b>Insulating material</b>	PA
<b>Inflammability class according to UL 94</b>	V0

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## Technical data

### General

Internal cylindrical gage	A6
Stripping length	12 mm
Number of positions	2
Screw thread	M4
Tightening torque, min	1.7 Nm
Tightening torque max	1.8 Nm

### Connection data

Conductor cross section solid min.	0.75 mm <sup>2</sup>
Conductor cross section solid max.	16 mm <sup>2</sup>
Conductor cross section stranded min.	0.75 mm <sup>2</sup>
Conductor cross section stranded max.	16 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.	16 mm <sup>2</sup> Only in connection with CRIMPFOX 16 S
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.	10 mm <sup>2</sup> Only in connection with CRIMPFOX 16 S
Conductor cross section AWG/kcmil min.	18
Conductor cross section AWG/kcmil max	6
2 conductors with same cross section, solid min.	0.75 mm <sup>2</sup>
2 conductors with same cross section, solid max.	6 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	6 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	4 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	6 mm <sup>2</sup>
Minimum AWG according to UL/CUL	20
Maximum AWG according to UL/CUL	6

## classifications

### eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27260704

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## classifications

### eCl@ss

eCl@ss 7.0	27440402
eCl@ss 8.0	27440402

### ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	EC002638


### UNSPSC

UNSPSC 6.01	30211810
UNSPSC 7.0901	39121409
UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121409


## approvals

UL Recognized / SEV / cUL Recognized / CCA / IECCEB Scheme / GOST / GOST / cULus Recognized /

### Approval details

<b>UL Recognized</b> 		
Usegroups	B	C
Nominal voltage UN	600 V	600 V
Nominal current IN	55 A	55 A
mm <sup>2</sup> /AWG/kcmil	20-6	20-6


<b>SEV</b>	
Nominal voltage UN	1000 V
Nominal current IN	76 A
mm <sup>2</sup> /AWG/kcmil	16


<b>cUL Recognized</b> 		
Usegroups	B	C
Nominal voltage UN	600 V	600 V
Nominal current IN	55 A	55 A
mm <sup>2</sup> /AWG/kcmil	20-6	20-6

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## approvals

CCA	
Nominal voltage UN	1000 V
Nominal current IN	76 A
mm <sup>2</sup> /AWG/kcmil	

IECEE CB Scheme 	
Nominal voltage UN	1000 V
Nominal current IN	76 A
mm <sup>2</sup> /AWG/kcmil	

GOST 	
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cULus Recognized 	
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## accessories

### Coding element

CP-PC RD - 1701967

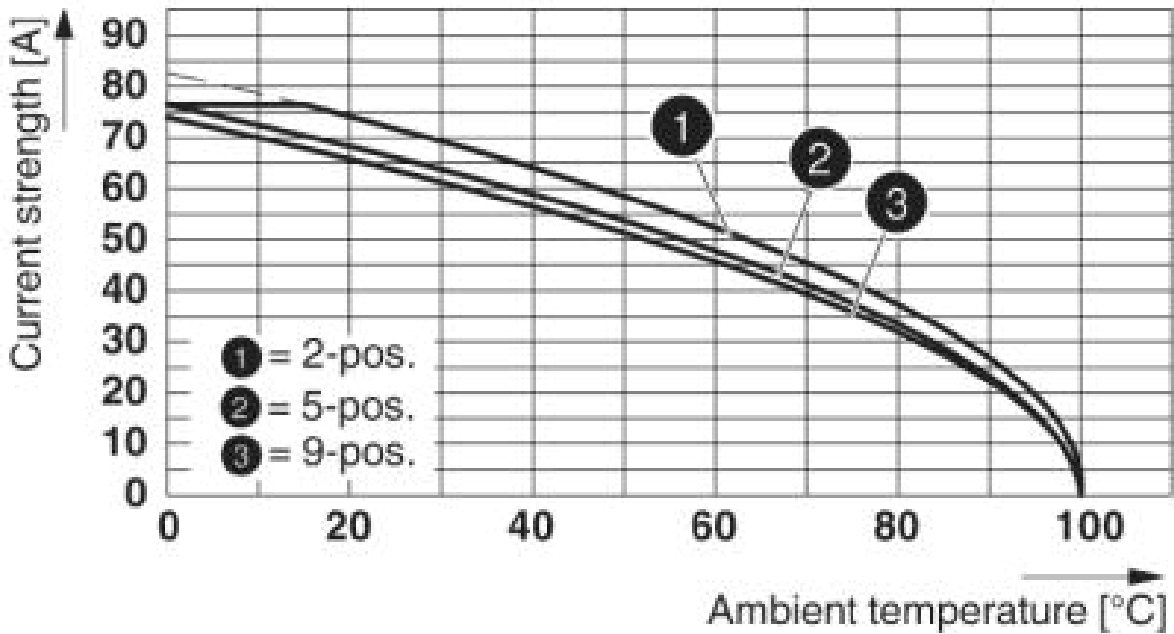


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## Drawings

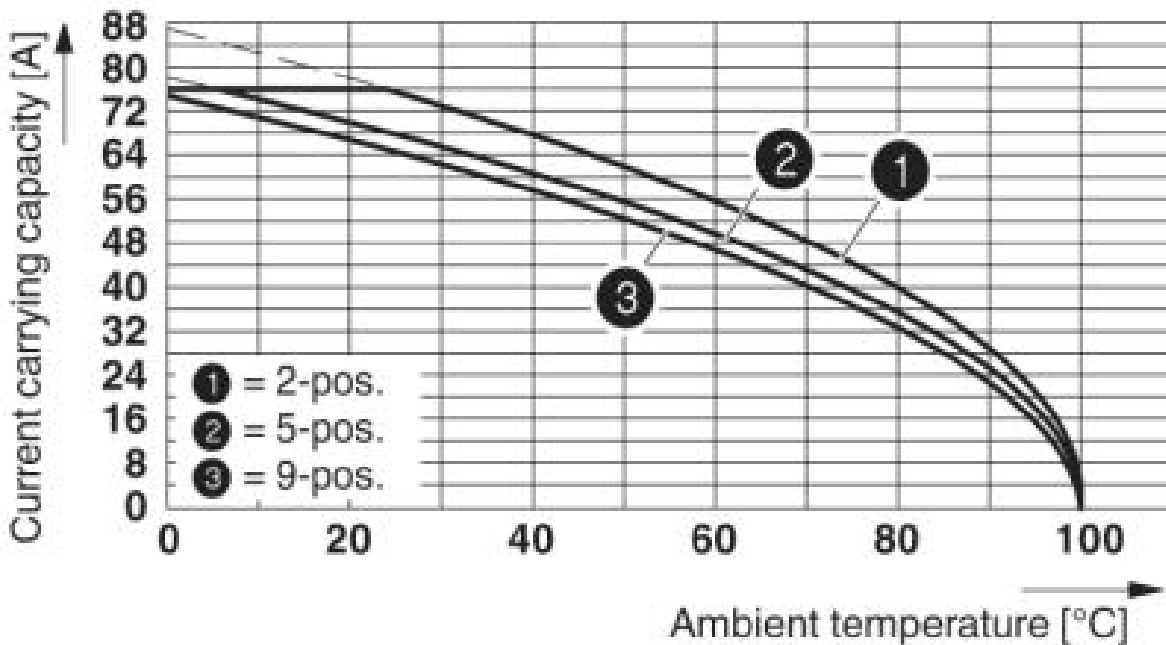
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Diagram



Type: PC 16/...ST-10,16 with PC 6-16/...G1-10,16

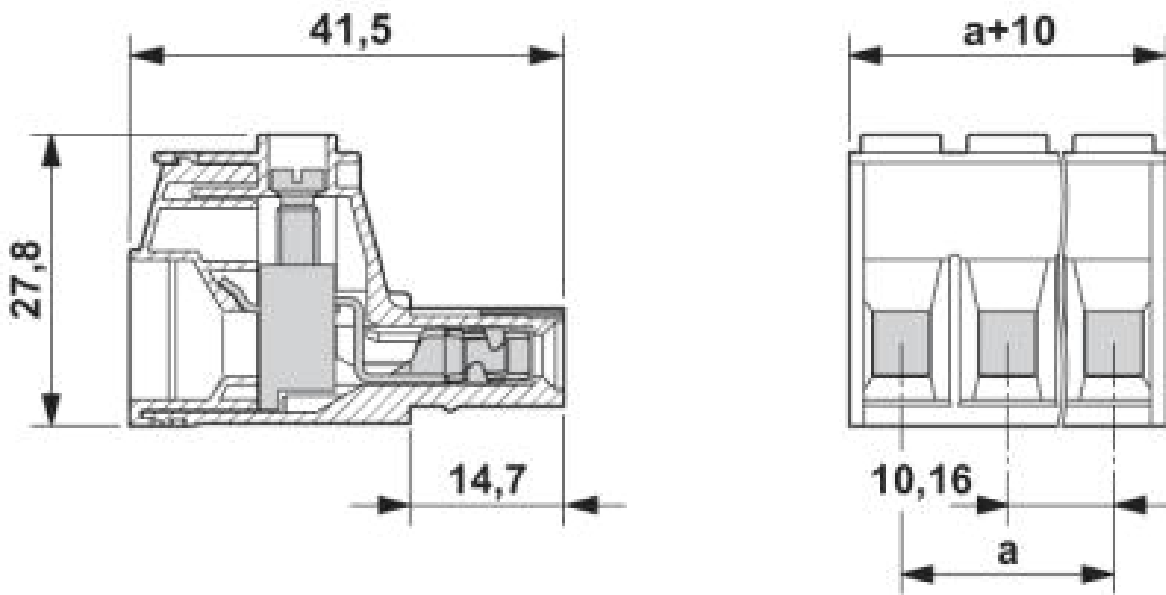
Diagram



Derating curve for: PC 16/...ST-10,16 with DFK-PC 6-16/...G-10,16

# Printed-circuit board connector - PC 16/ 2-ST-10,16 - 1967375

Dimensioned drawing



The illustration shows the 3-pos. version

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