

Printed-circuit board connector - IPC 16/ 2-ST-10,16 - 1969373

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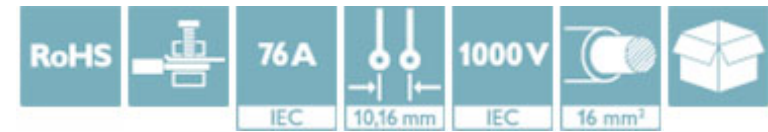


Plug component, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 2, Pitch: 10.16 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Silver

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

Why buy this product

- ✔ Well-known connection principle allows worldwide use
- ✔ Low temperature rise, thanks to maximum contact force
- ✔ Allows connection of two conductors
- ✔ Inverted connector with pin contacts for touch-proof device outputs or free-hanging cable/cable connections



Key Commercial Data

Packing unit	50 STK
Minimum order quantity	50 STK
GTIN	 4 017918 943622
GTIN	4017918943622
Custom tariff number	8536909000
Sales Key	AABECA

Technical data

Dimensions

Length	44.1 mm
Height	27.8 mm
Width	23.36 mm
Pitch	10.16 mm
Dimension a	10.16 mm

General

Range of articles	IPC 16/...-ST
Type of contact	Male connector

<https://www.phoenixcontact.com/cn/products/1969373>

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Technical data

General

Number of positions	2
Connection method	Screw connection with tension sleeve
Insulating material group	I
Rated surge voltage (III/3)	8 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (II/2)	6 kV
Rated voltage (III/3)	1000 V
Rated voltage (III/2)	1000 V
Rated voltage (II/2)	1000 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	76 A
Nominal cross section	16 mm ²
Maximum load current	76 A
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	A6
Stripping length	12 mm
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 ²
Conductor cross section solid max.	16 mm ²
Conductor cross section flexible min.	0.75 mm ²
Conductor cross section flexible max.	16 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	16 mm ² Only in connection with CRIMPFOX 16 S
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	10 mm ² Only in connection with CRIMPFOX 16 S
Conductor cross section AWG min.	18
Conductor cross section AWG max.	6
2 conductors with same cross section, solid min.	0.75 mm ²
2 conductors with same cross section, solid max.	6 mm ²
2 conductors with same cross section, stranded min.	0.75 mm ²
2 conductors with same cross section, stranded max.	6 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	4 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²

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Technical data

Connection data

2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	6 mm²
Minimum AWG according to UL/CUL	20
Maximum AWG according to UL/CUL	6

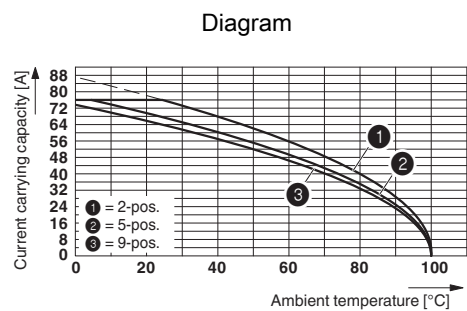
Standards and Regulations

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

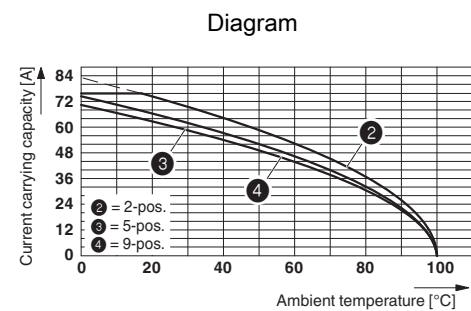
Environmental Product Compliance

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

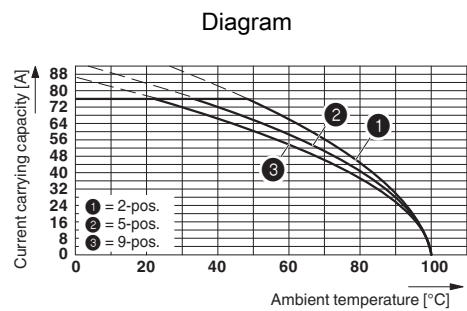
Drawings



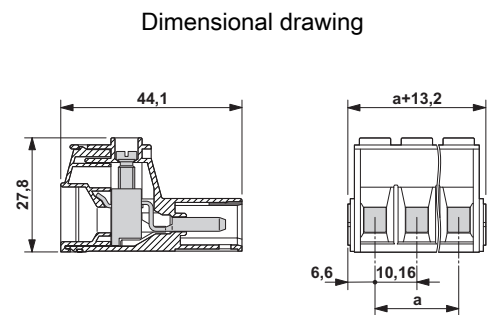
Derating curve for: IPC 16/...-ST-10,16 with DFK-IPC 16/...-G-10,16



Derating curve for: IPC 16/...-ST-10,16 with IPC 16/...-G-10,16



Derating curve for: PC 16/...-ST-10,16 with IPC 16/...-ST-10,16



The illustration shows the 3-pos. version

Approvals

Approvals

<https://www.phoenixcontact.com/cn/products/1969373>

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Approvals

Approvals

UL Recognized / cUL Recognized / SEV / IEC EE CB Scheme / EAC / cULus Recognized

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	C	
mm ² /AWG/kcmil	20-6	20-6	
Nominal current I _N	55 A	55 A	
Nominal voltage U _N	600 V	600 V	

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
	B	C	
mm ² /AWG/kcmil	20-6	20-6	
Nominal current I _N	55 A	55 A	
Nominal voltage U _N	600 V	600 V	

SEV		https://www.electrosuisse.ch/en/meta/shop/product-certificates.html	IK-3431
mm ² /AWG/kcmil	16		
Nominal current I _N	76 A		
Nominal voltage U _N	1000 V		

IECEE CB Scheme		http://www.iecee.org/	CH-8077
Nominal current I _N	76 A		
Nominal voltage U _N	1000 V		

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Approvals

EAC



B.01742

cULus Recognized



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>