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Especialistas en Automatización

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# Printed-circuit board connector - IPC 16/ 6-STGF-10,16 - 1975859

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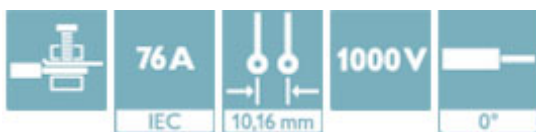
Plug component, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 6, Pitch: 10.16 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Silver



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

## Why buy this product

- Unlimited 600 V UL approval
- Inverted IPC 16 plugs with pin contacts for free-hanging cable/cable connections
- Increased vibration protection thanks to screw-on STGF plugs with threaded flange (can be plugged into PC 16 plugs)



## Key Commercial Data

Packing unit	50 STK
GTIN	 4 017918 971991

## Technical data

### Dimensions

Pitch	10.16 mm
Dimension a	50.8 mm

### General

Range of articles	IPC 16/...-STGF
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

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## Technical data

### General

Nominal current $I_N$	76 A
Nominal cross section	16 mm <sup>2</sup>
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	A6
Stripping length	12 mm
Number of positions	6
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 flexible min.	0.75 mm <sup>2</sup>
Conductor cross section flexible max.	16 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	16 mm <sup>2</sup> Only in connection with CRIMPFOX 16 S
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	10 mm <sup>2</sup> 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 <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

### Standards and Regulations

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

# Printed-circuit board connector - IPC 16/ 6-STGF-10,16 - 1975859

## 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
eCl@ss 7.0	27440402
eCl@ss 8.0	27440309

### 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

### Approvals

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#### Approvals

UL Recognized / cUL Recognized / SEV / EAC / IECEE CB Scheme / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted

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### Approval details

UL Recognized 		
	B	C
mm <sup>2</sup> /AWG/kcmil	20-6	20-6
Nominal current I <sub>N</sub>	55 A	55 A

# Printed-circuit board connector - IPC 16/ 6-STGF-10,16 - 1975859

## Approvals

	B	C
Nominal voltage UN	600 V	600 V

cUL Recognized

	B	C
mm <sup>2</sup> /AWG/kcmil	20-6	20-6
Nominal current I <sub>N</sub>	55 A	55 A
Nominal voltage UN	600 V	600 V

SEV

mm <sup>2</sup> /AWG/kcmil	16
Nominal current I <sub>N</sub>	76 A
Nominal voltage UN	1000 V

EAC

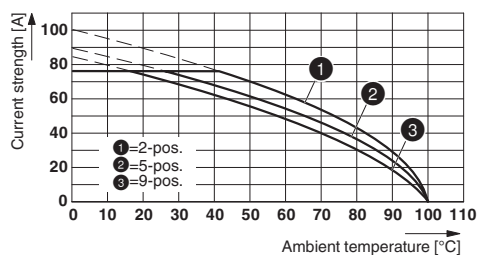
IECEE CB Scheme

Nominal current I <sub>N</sub>	76 A
Nominal voltage UN	1000 V

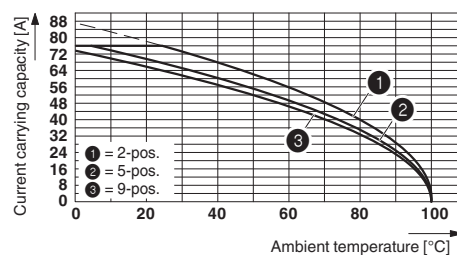
cULus Recognized

## Drawings

Diagram



Diagram

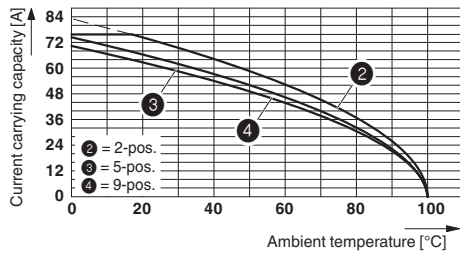


Type: PC 16/...-STF-10,16 with IPC 16/...-STGF-10,16

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

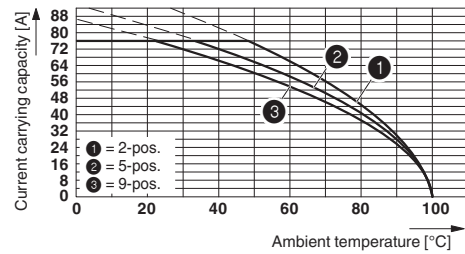
# Printed-circuit board connector - IPC 16/ 6-STGF-10,16 - 1975859

Diagram



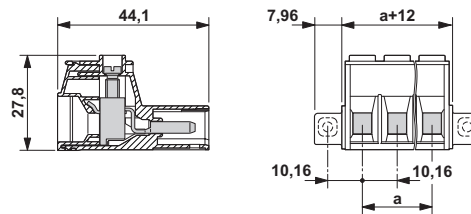
Derating curve for: IPC 16/...-ST-10,16 with IPC 16/...-G-10,16

Diagram



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

Dimensional drawing



The illustration shows the 3-pos. version

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Plug component, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 6, Pitch: 10.16 mm, Connection method: Screw connection, Color: green, Contact surface: Silver	1975859	IPC 16/ 6-STGF-10,16	<a href="#">Buy on EAN</a>