Printed-circuit board connector - IPC 16/ 5-STGF-10,16 - 1975846

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Plug component, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 5, 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

- 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	1 pc
Minimum order quantity	50 pc
GTIN	4 017918 971984
Weight per Piece (excluding packing)	49.42 g
Custom tariff number	85366990
Country of origin	Poland

Technical data

Dimensions

Pitch	10.16 mm
Dimension a	40.64 mm

General

Range of articles	IPC 16/..-STGF
Insulating material group	I
Rated surge voltage (III/3)	8 kV

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Technical data

General

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 mm²
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	A6
Stripping length	12 mm
Number of positions	5
Screw thread	M4
Tightening torque, min	1.7 Nm
Tightening torque max	1.8 Nm

Connection data

Conductor cross section solid min.	0.75 mm²
Conductor cross section solid max.	16 mm²
Conductor cross section flexible min.	0.75 mm²
Conductor cross section flexible max.	16 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	16 mm² Only in connection with CRIMPFOX 16 S
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	10 mm² 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 mm²
2 conductors with same cross section, solid max.	6 mm²
2 conductors with same cross section, stranded min.	0.75 mm²
2 conductors with same cross section, stranded max.	6 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	4 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm²

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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

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

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

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Approvals

Ex Approvals

Approvals submitted

Approval details

UL Recognized

	B	C
mm²/AWG/kcmil	20-6	20-6
Nominal current IN	55 A	55 A
Nominal voltage UN	600 V	600 V

cUL Recognized

	B	C
mm²/AWG/kcmil	20-6	20-6
Nominal current IN	55 A	55 A
Nominal voltage UN	600 V	600 V

SEV

mm²/AWG/kcmil	16
Nominal current IN	76 A
Nominal voltage UN	1000 V

CCA

Nominal current IN	76 A
Nominal voltage UN	1000 V

EAC

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Approvals

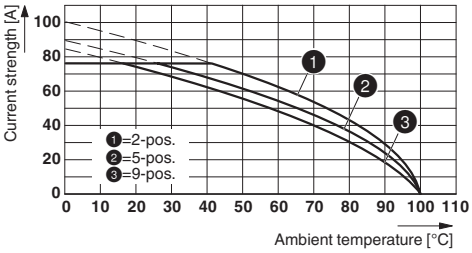
IECEE CB Scheme

Nominal current IN	76 A
Nominal voltage UN	1000 V

cULus Recognized

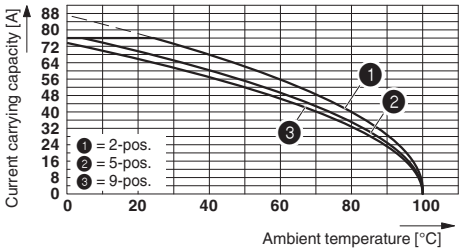
Drawings

Diagram



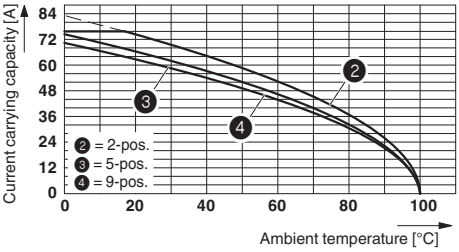
Type: PC 16/..-STF-10,16 with IPC 16/..-STGF-10,16

Diagram



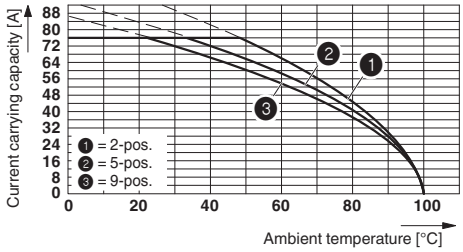
Derating curve for: IPC 16/..-ST-10,16 with DFK-IPC 16/..-G-10,16

Diagram



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

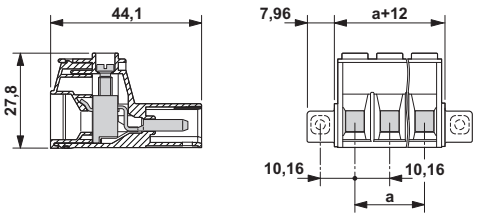
Diagram



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

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Dimensional drawing



The illustration shows the 3-pos. version

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