Printed-circuit board connector - IPC 16/ 7-STGF-10,16 - 1975862

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Plug component, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 7, Pitch: 10.16 mm, Connection method: Screw connection, Color: green, Contact surface: Silver

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

Why buy this product

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

Key commercial data

Packing unit	50 pc
Minimum order quantity	50 pc
GTIN	4 017918 972004
Weight per Piece (excluding packing)	66.06 g
Custom tariff number	85366990
Country of origin	Poland
Note	Made to Order (non-returnable)

Technical data

Dimensions

Pitch	10.16 mm
Dimension a	60.96 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

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Technical data

General

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
Inflammability class according to UL 94	V0
Internal cylindrical gage	A6
Stripping length	12 mm
Number of positions	7
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 stranded min.	0.75 mm²
Conductor cross section stranded max.	16 mm²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.5 mm²
Conductor cross section stranded, with ferrule without plastic sleeve max.	16 mm² Only in connection with CRIMPFOX 16 S
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.5 mm²
Conductor cross section stranded, with ferrule with plastic sleeve max.	10 mm² 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 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
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

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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

Approvals

UL Recognized / cUL Recognized / SEV / CCA / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized

	B	C
mm²/AWG/kcmil	20-6	20-6
Nominal current IN	55 A	55 A

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Approvals

	B	C
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

cULus Recognized

Accessories

Accessories

Coding element

Coding profile - CP-PC RD - 1701967

Coding profile, for plugging into the coding ribs of the plug at a later date, insulating material, color: Red

Additional products

Printed-circuit board connector - IPC 16/ 7-STGF-10,16 - 1975862

Accessories

Printed-circuit board connector - PC 16/ 7-STF-10,16 - 1967508

Plug component, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 7, Pitch: 10.16 mm, Connection method: Screw connection, Color: green, Contact surface: Silver

Printed-circuit board connector - TPC 16/ 7-STF-10,16 - 1715303

Plug component, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 7, Pitch: 10.16 mm, Connection method: Screw connection, Color: green, Contact surface: Silver

Plug - SPC 16/ 7-STF-10,16 - 1711420

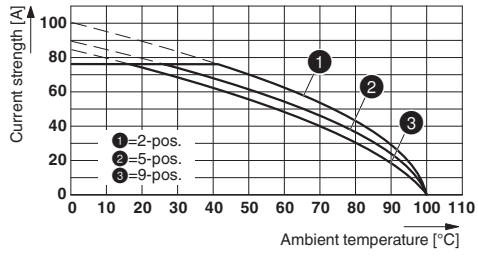
Plug component, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 7, Pitch: 10.16 mm, Connection method: Spring-cage connection, Color: green, Contact surface: Silver

DIN rail adapter - DR 35-PC 16 - 1708410

DIN rail adapter, for snapping the PC 16/IPC 16 connector onto a DIN rail, color: green, mounting type: NS 35/7,5, NS 35/15

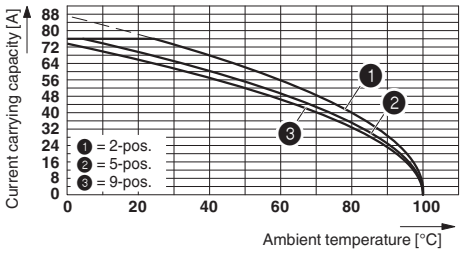
Drawings

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

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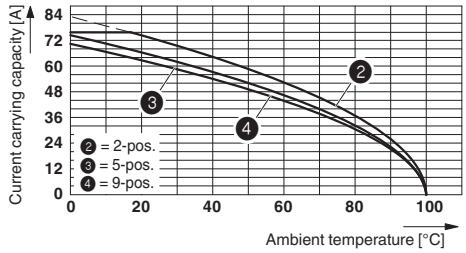
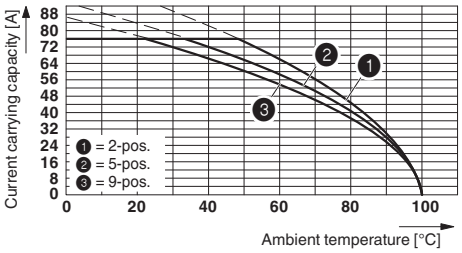
Diagram



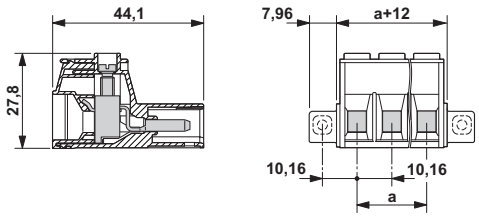
Derating curve for: IPC 16/...-ST-10,16 with IPC 16/...-G-10,16

Diagram



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

Dimensioned drawing



The illustration shows the 3-pos. version

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