Printed-circuit board connector - DFK-PC 16/ 7-STF-10,16 - 1703506

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

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

Product Features

- Screw connection on the inside of the device
- Panel thickness of 1 mm to 3 mm
- Mounted on the housing panel by means of tool-free snap-lock mechanism or conventional screw connection
- Feed-through headers for use in combination with PC 16 plugs

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	10 pc
Weight per Piece (excluding packing)	78.14 g
Country of origin	Poland

Technical data

Dimensions

Pitch	10.16 mm
Dimension a	60.96 mm

General

Range of articles	DFK-PC 16/..-ST
Type of contact	Male connector
Number of positions	7
Connection method	Screw connection with tension sleeve

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Technical data

General

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 mm²
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 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.	16 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

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Technical data

Connection data

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

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	27141190
eCl@ss 6.0	27260704
eCl@ss 7.0	27440402
eCl@ss 8.0	27141134
eCl@ss 9.0	27141134

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	EC001283

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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Approvals

Approvals

UL Recognized / SEV / cUL Recognized / EAC / IECEE CB Scheme / 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
Nominal voltage UN	600 V	600 V

SEV

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

EAC

Printed-circuit board connector - DFK-PC 16/ 7-STF-10,16 - 1703506

Approvals

IECEE CB Scheme

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 - 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 with tension sleeve, Color: green, Contact surface: Silver

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Accessories

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

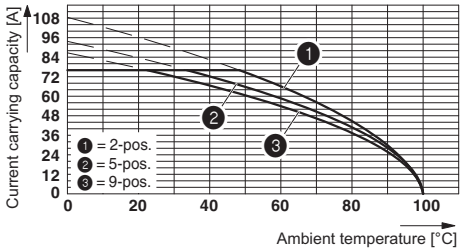
Plug component, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 7, Pitch: 10.16 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Silver

Printed-circuit board connector - 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: Push-in spring connection, Color: green, Contact surface: Silver

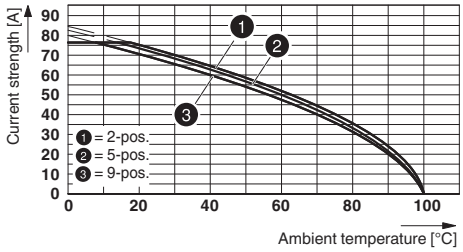
Drawings

Diagram



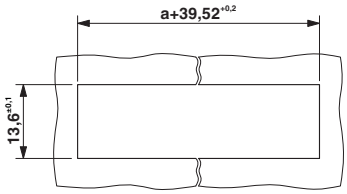
Derating curve for: PC 16/...-ST-10.16 with DFK-PC 16/...-ST-10.16

Diagram



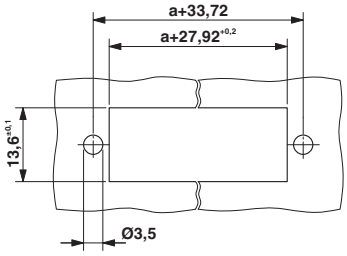
Type: SPC 16/...-ST(F)-10,16 with DFK-PC 16/...-ST(F)-10,16

Dimensional drawing



Sheet metal cutout for snap-on.

Dimensional drawing



Sheet metal cutout for screw connection.

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Dimensional drawing