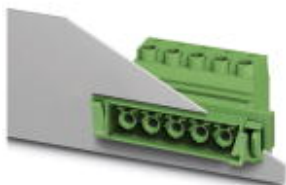


## Plug - DFK-IPC 16/ 6-ST-10,16 - 1703739

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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




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

### Why buy this product

- Panel thickness of 1 mm to 3 mm
- Screw connection on the inside of the device
- Inverted feed-through headers for implementing a touch-proof device output (in combination with IPC 16 ST)
- Tool-free snap-lock mechanism or conventional screw connection



### Key commercial data

Packing unit	10 pc
Minimum order quantity	10 pc
GTIN	 4 017918 994570
Weight per Piece (excluding packing)	68.75 g
Custom tariff number	85366990
Country of origin	Poland
Note	Made to Order (non-returnable)

### Technical data

#### Dimensions

Pitch	10.16 mm
Dimension a	50.8 mm

#### General

Range of articles	DFK-IPC 16/...-ST
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

# Plug - DFK-IPC 16/ 6-ST-10,16 - 1703739

## Technical data

### General

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 <sup>2</sup>
Maximum load current	76 A
Insulating material	PA
Inflammability class 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 stranded min.	0.75 mm <sup>2</sup>
Conductor cross section stranded max.	16 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	16 mm <sup>2</sup> Only in connection with CRIMPFOX 16 S
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	16 mm <sup>2</sup> 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 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

# Plug - DFK-IPC 16/ 6-ST-10,16 - 1703739

## Technical data

### Connection data

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

### Approvals

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#### Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted

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### Approval details

# Plug - DFK-IPC 16/ 6-ST-10,16 - 1703739

## Approvals

UL 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 U <sub>N</sub>	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 U <sub>N</sub>	600 V	600 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/ 6-ST-10,16 - 1969412



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

# Plug - DFK-IPC 16/ 6-ST-10,16 - 1703739

## Accessories

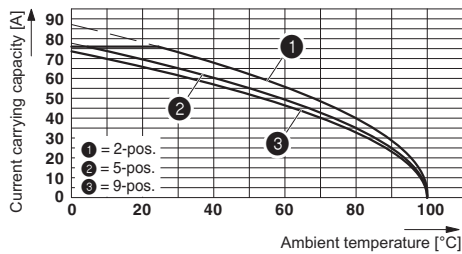
Printed-circuit board connector - ISPC 16/ 6-ST-10,16 - 1748587



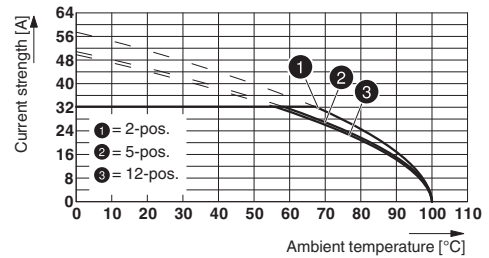
Plug component, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 6, Pitch: 10.16 mm, Connection method: Spring-cage connection, Color: green, Contact surface: Silver

## Drawings

Diagram



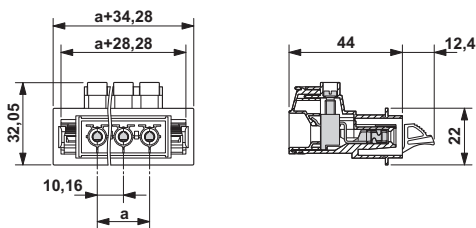
Diagram



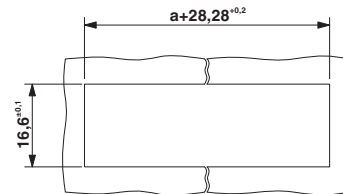
Derating curve for: IPC 16/...-ST-10.16 with DFK-IPC 16/...-ST-10.16

Type: ISPC 16/...-ST-10,16 with DFK-IPC 16/...-ST-10,16

Dimensioned drawing

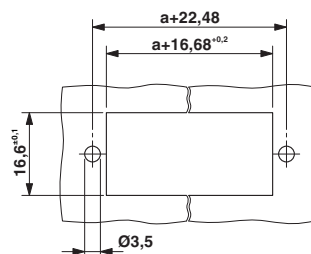


Dimensioned drawing



Sheet metal cutout for snap-lock device for "ST" versions

Dimensioned drawing



Sheet metal cutout for screw connection.

