

Plug - DFK-IPC 16/ 8-STF-10,16 - 1703836

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)

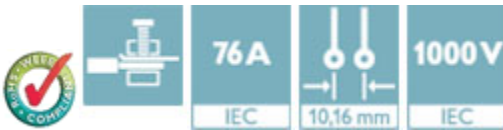
Plug component, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 8, Pitch: 10.16 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Silver



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

Product Features

- 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 | 1 pc |
| Minimum order quantity | 10 pc |
| Weight per Piece (excluding packing) | 16.66 g |
| Custom tariff number | 85366990 |
| Country of origin | Poland |

Technical data

Dimensions

| | |
|-------------|----------|
| Pitch | 10.16 mm |
| Dimension a | 71.12 mm |

General

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

Plug - DFK-IPC 16/ 8-STF-10,16 - 1703836

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 mm ² |
| Maximum load current | 76 A |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Internal cylindrical gage | A6 |
| Stripping length | 12 mm |
| Number of positions | 8 |
| 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 ² |
| Conductor cross section solid max. | 16 mm ² |
| Conductor cross section flexible min. | 0.75 mm ² |
| Conductor cross section flexible max. | 16 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.5 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 16 mm ² Only in connection with CRIMPFOX 16 S |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.5 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 16 mm ² 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 ² |
| 2 conductors with same cross section, solid max. | 6 mm ² |
| 2 conductors with same cross section, stranded min. | 0.75 mm ² |
| 2 conductors with same cross section, stranded max. | 6 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.5 mm ² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 4 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm ² |

Plug - DFK-IPC 16/ 8-STF-10,16 - 1703836

Technical data

Connection data

| | |
|---|-------------------|
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 6 mm ² |
| 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

Approvals

Plug - DFK-IPC 16/ 8-STF-10,16 - 1703836

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

| | | |
|--------------------------------|-------|-------|
| UL Recognized | | |
| | B | C |
| mm ² /AWG/kcmil | 20-6 | 20-6 |
| Nominal current I _N | 55 A | 55 A |
| Nominal voltage U _N | 600 V | 600 V |

| | | |
|--------------------------------|-------|-------|
| cUL Recognized | | |
| | B | C |
| mm ² /AWG/kcmil | 20-6 | 20-6 |
| Nominal current I _N | 55 A | 55 A |
| Nominal voltage U _N | 600 V | 600 V |

EAC

EAC

| | | |
|------------------|--|--|
| cULus Recognized | | |
|------------------|--|--|

Accessories

Accessories

Coding element

Plug - DFK-IPC 16/ 8-STF-10,16 - 1703836

Accessories

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/ 8-STF-10,16 - 1969519



Plug component, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 8, Pitch: 10.16 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Silver

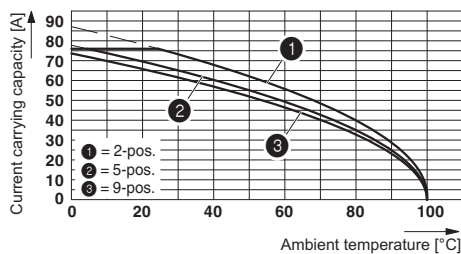
Printed-circuit board connector - ISPC 16/ 8-STF-10,16 - 1748684



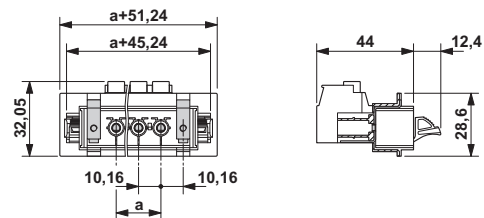
Plug component, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 8, Pitch: 10.16 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Silver

Drawings

Diagram



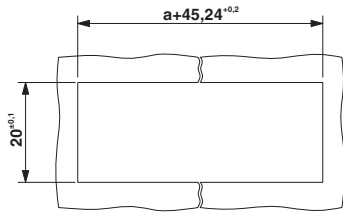
Dimensional drawing



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

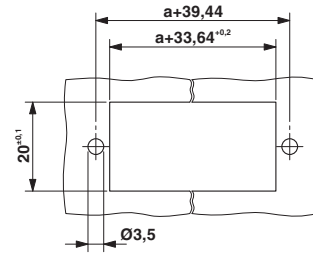
Plug - DFK-IPC 16/ 8-STF-10,16 - 1703836

Dimensional drawing



Sheet metal cutout for snap-on.

Dimensional drawing



Sheet metal cutout for screw connection.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Pluggable Terminal Blocks](#) category:

Click to view products by [Phoenix Contact](#) manufacturer:

Other Similar products are found below :

[57.404.7553](#) [57.504.0053.7](#) [57.510.0053](#) [57.910.6153](#) [01.112.1453](#) [CTB932VE/6](#) [MC 1.5/ 6-ST-3.5 GY AU](#) [ET02015000J0G](#) [734-104](#) [734-302](#) [734-304](#) [8-141-P](#) [FKCT 2.5/ 3-ST KMGY](#) [860505](#) [860508](#) [860516](#) [860810](#) [861908](#) [GBPACX-12](#) [93.731.4953.0](#) [PV05-5,08-K](#) [PVP02-5,00](#) [PVP04-3,50](#) [PVS02-5,00](#) [1-1986160-3](#) [H-10](#) [1546228-5](#) [ELFP03110](#) [ELVP03100](#) [ELXH03100](#) [ELXP041G0](#) [ELXT046G0](#) [1700101](#) [1700410](#) [1700425](#) [1703176](#) [1703243](#) [1705229](#) [1710175](#) [1714537](#) [1717806](#) [1719600](#) [1728941](#) [1729386](#) [1734692](#) [1734795](#) [1736036](#) [1740194](#) [1740291](#) [1740628](#)