

Plug - DFK-IPC 16/ 9-STF-10,16 - 1703849

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: 9, 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

- Screw connection on the inside of the device
- Panel thickness of 1 mm to 3 mm
- 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 994686 |
| Weight per Piece (excluding packing) | 22.22 g |
| Custom tariff number | 85366990 |
| Country of origin | Poland |
| Note | Made to Order (non-returnable) |

Technical data

Dimensions

| | |
|-------------|----------|
| Pitch | 10.16 mm |
| Dimension a | 81.28 mm |

General

| | |
|-----------------------------|-------------------|
| Range of articles | DFK-IPC 16/...STF |
| 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/ 9-STF-10,16 - 1703849

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 ² |
| 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 | 9 |
| 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 stranded min. | 0.75 mm ² |
| Conductor cross section stranded max. | 16 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.5 mm ² |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 16 mm ² Only in connection with CRIMPFOX 16 S |
| Conductor cross section stranded, with ferrule with plastic sleeve min. | 0.5 mm ² |
| Conductor cross section stranded, with ferrule with plastic sleeve max. | 16 mm ² 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 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 |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 6 mm ² |
| Minimum AWG according to UL/CUL | 20 |

Plug - DFK-IPC 16/ 9-STF-10,16 - 1703849

Technical data

Connection data

| | |
|---------------------------------|---|
| Maximum AWG according to UL/CUL | 6 |
|---------------------------------|---|

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 |

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

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

Plug - DFK-IPC 16/ 9-STF-10,16 - 1703849

Approvals

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

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/ 9-STF-10,16 - 1969522



Plug component, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 9, Pitch: 10.16 mm, Connection method: Screw connection, Color: green, Contact surface: Silver

Plug - DFK-IPC 16/ 9-STF-10,16 - 1703849

Accessories

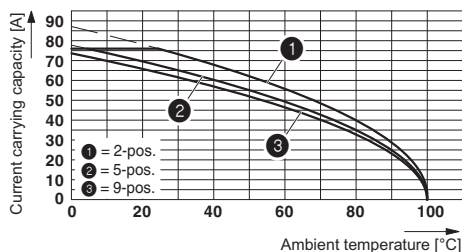
Printed-circuit board connector - ISPC 16/ 9-STF-10,16 - 1748697

Plug component, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 9, Pitch: 10.16 mm, Connection method: Spring-cage connection, Color: green, Contact surface: Silver

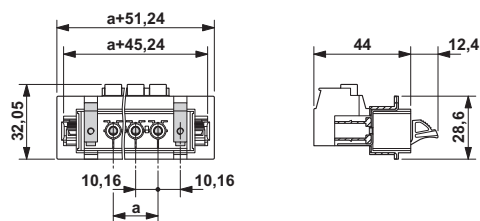


Drawings

Diagram

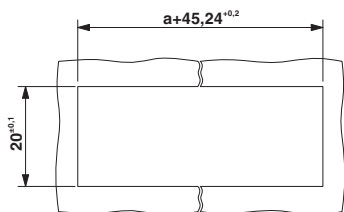


Dimensioned drawing



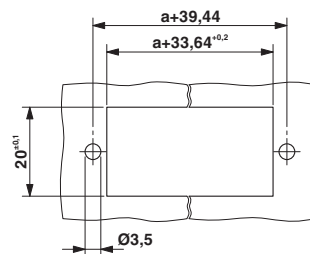
Derating curve for: IPC 16/...-ST-10.16 with DFK-IPC 16/...-ST-10.16

Dimensioned drawing



Sheet metal cutout for snap-on.

Dimensioned drawing



Sheet metal cutout for screw connection.