

Plug - DFK-IPC 16/ 5-STF-10,16 - 1703807

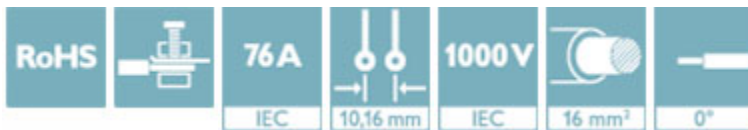
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Plug component, nominal current: 76 A, rated voltage (III/2): 1000 V, number of positions: 5, pitch: 10.16 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Silver



Why buy this product

- ✓ Well-known connection principle allows worldwide use
- ✓ Low temperature rise, thanks to maximum contact force
- ✓ Allows connection of two conductors
- ✓ Flange system enables secure fixing to the housing panel by means of tool-free snap-in locking or screws
- ✓ Inverted connector with pin contacts for touch-proof device outputs or free-hanging cable/cable connections
- ✓ Integrated double steel spring provides additional safety in the event of temperature and power fluctuations
- ✓ Shroud for professional EMC shield connection on the front of the device
- ✓ Screwable flange for superior mechanical stability



Key Commercial Data

Packing unit	1 STK
Minimum order quantity	10 STK
GTIN	 4 017918 994648
GTIN	4017918994648
Weight per Piece (excluding packing)	60.990 g
Custom tariff number	85366990
Country of origin	Poland

Technical data

Dimensions

Length [1]	56.4 mm
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Technical data

Dimensions

Width [w]	91.88 mm
Height [h]	32.05 mm
Pitch	10.16 mm
Dimension a	40.64 mm

General

Range of articles	DFK-IPC 16/..-STF
Type of contact	Female connector
Number of positions	5
Connection method	Screw connection with tension sleeve
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 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
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

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Technical data

Connection data

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
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

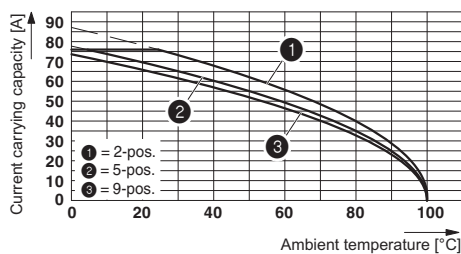
Connection in acc. with standard	EN-VDE
	CUL
Flammability rating according to UL 94	V0

Environmental Product Compliance

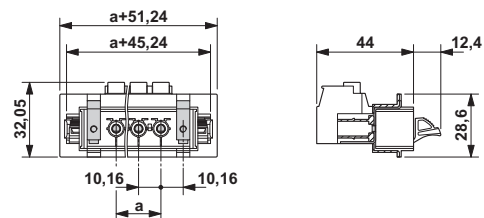
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Diagram



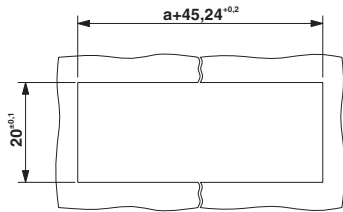
Dimensional drawing



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

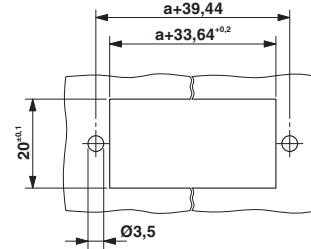
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Dimensional drawing



Sheet metal cutout for snap-on.

Dimensional drawing



Sheet metal cutout for screw connection.

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	27440309
eCl@ss 9.0	27440309

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	EC002638
ETIM 6.0	EC001283

UNSPSC

UNSPSC 6.01	30211810
UNSPSC 7.0901	39121409
UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121410

Approvals

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Approvals

Approvals

EAC / cULus Recognized

Ex Approvals

Approval details

EAC		B.01742
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-20040202
	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	

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/ 5-STF-10,16 - 1969483



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Accessories

Printed-circuit board connector - ISPC 16/ 5-STF-10,16 - 1748655



Plug component, nominal current: 76 A, rated voltage (III/2): 1000 V, number of positions: 5, pitch: 10.16 mm, connection method: Push-in spring connection, color: green, contact surface: Silver
