

DFK-PC 16/ 9-STF-SH-10,16

Order No.: 1703687

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

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1703687>

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

Commercial data

GTIN (EAN)	 4 017918 994525
Note	Made-to-order
sales group	E543
Pack	10 pcs.
Customs tariff	85366990
Catalog page information	Page 489 (CC-2011)

Product notes

WEEE/RoHS-compliant since:
11/27/2004



[http://
www.download.phoenixcontact.com](http://www.download.phoenixcontact.com)
Please note that the data given
here has been taken from the
online catalog. For comprehensive
information and data, please refer
to the user documentation. The
General Terms and Conditions of
Use apply to Internet downloads.

Technical data

Dimensions / positions

Pitch	10.16 mm
Dimension a	81.28 mm
Number of positions	9
Screw thread	M4

Tightening torque, min	1.7 Nm
Tightening torque max	1.8 Nm

Technical data

Range of articles	DFK-PC 16/...STF-SH
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/2)	1000 V
Rated voltage (II/2)	1000 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	76 A
Nominal voltage U_N	1000 V
Nominal cross section	1.6 mm ²
Maximum load current	76 A
Insulating material	PA
Inflammability class acc. to UL 94	V0
Internal cylindrical gage	A6
Stripping length	14 mm
Nominal voltage, UL/CUL Use Group B	600 V
Nominal current, UL/CUL Use Group B	55 A
Nominal voltage, UL/CUL Use Group C	600 V
Nominal current, UL/CUL Use Group C	55 A

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
Maximum AWG according to UL/CUL	6

Certificates / Approvals

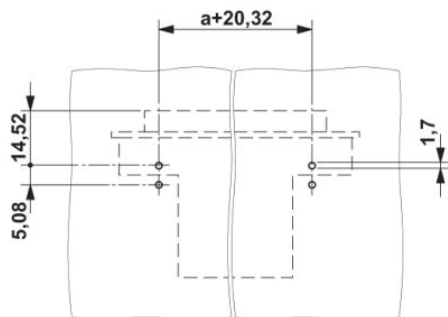


Certification

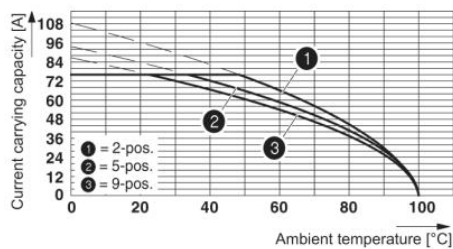
CB, CCA, CUL, SEV, UL

Diagrams/Drawings

Drilling plan/solder pad geometry

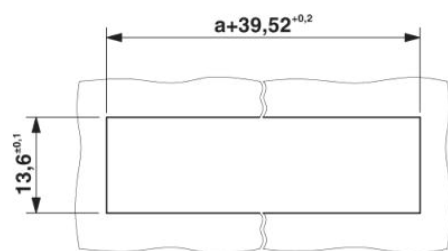


Diagram

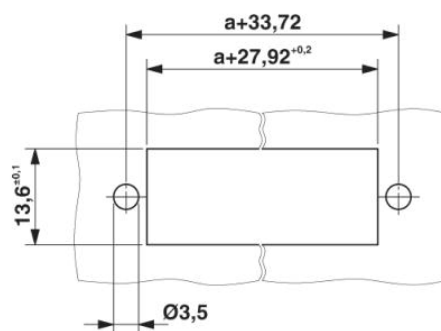


Derating curve for: PC 16/...-ST-10.16 with DFK-PC 16/...-ST-10.16

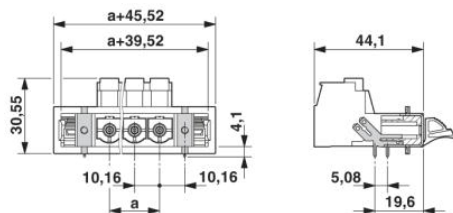
Dimensioned drawing



Sheet metal cutout for snap-on.



Sheet metal cutout for screw connection.



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