

## Feed-through plug - DFK-PC 5/ 6-STF-7,62 - 1716658

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Feed-through connector, nominal current: 41 A, rated voltage (III/2): 1000 V, number of positions: 6, pitch: 7.62 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

### Your advantages

- ✓ 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
- ✓ Shroud for professional EMC shield connection on the front of the device
- ✓ Screwable flange for superior mechanical stability



### Key Commercial Data

Packing unit	10 pc
GTIN	 4 046356 137270
GTIN	4046356137270

### Technical data

#### Dimensions

Length [ l ]	48.95 mm
Width [ w ]	80.34 mm
Height [ h ]	26.24 mm
Pitch	7.62 mm
Dimension a	38.1 mm

#### General

Range of articles	DFK-PC 5/...-STF
Number of positions	6
Connection method	Screw connection with tension sleeve
Insulating material group	I

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### Technical data

#### General

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)	630 V
Rated voltage (III/2)	1000 V
Rated voltage (II/2)	1000 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	41 A
Nominal cross section	6 mm <sup>2</sup>
Maximum load current	41 A
Insulating material	PA
Flammability rating according to UL 94	V0
Stripping length	10 mm
Screw thread	M3
Tightening torque, min	0.7 Nm
Tightening torque max	0.8 Nm

#### Connection data

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	10 mm <sup>2</sup>
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	6 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	6 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	4 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	10
2 conductors with same cross section, solid min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, solid max.	2.5 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	4 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	2.5 mm <sup>2</sup>
Minimum AWG according to UL/CUL	24
Maximum AWG according to UL/CUL	8

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## Technical data

### Standards and Regulations

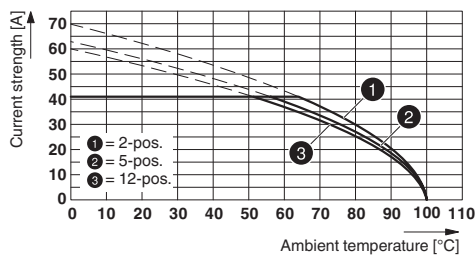
Connection in acc. with standard	EN-VDE
	CUL
Flammability rating according to UL 94	V0

### Environmental Product Compliance

	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

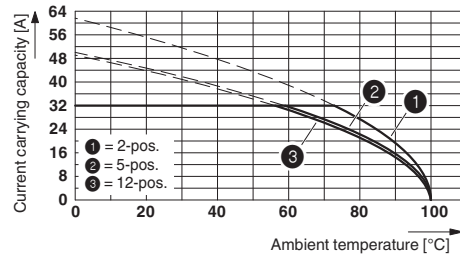
## Drawings

Diagram



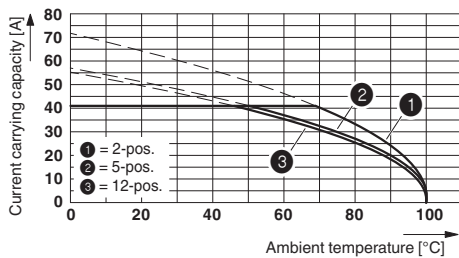
Type: SPC 5/...-STF-7,62 with DFK-PC 5/...-STF-7,62  
 Conductor cross section: 10 mm<sup>2</sup>

Diagram



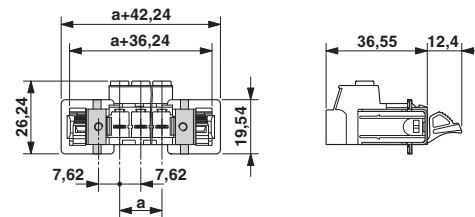
Derating curve for: DFK-PC 5/...-ST-7,62 with PC 5/...-ST-7,62  
 Conductor cross section = 6 mm<sup>2</sup>

Diagram



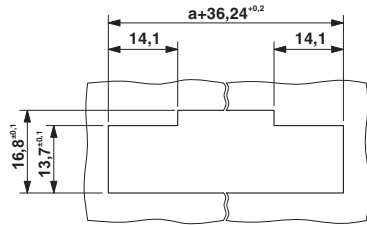
Derating curve for: DFK-PC 5/...-ST-7,62 with PC 5/...-ST-7,62  
 Conductor cross section = 10 mm<sup>2</sup>

Dimensional drawing



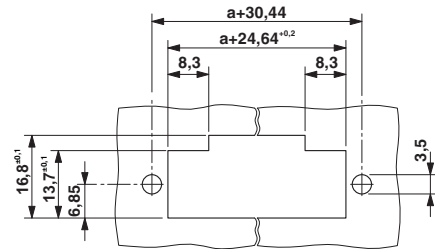
# Feed-through plug - DFK-PC 5/ 6-STF-7,62 - 1716658

Dimensional drawing



Sheet metal cutout for snap-on.

Dimensional drawing



Sheet metal cutout for screw connection.

## Approvals

### Approvals

Approvals

EAC / cULus Recognized

Ex Approvals

### Approval details

EAC		B.01742
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cULus Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E60425-19920722
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	B	C
Nominal voltage UN	600 V	600 V
Nominal current IN	41 A	41 A
mm <sup>2</sup> /AWG/kcmil	24-8	24-8

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