

Printed-circuit board connector - DFK-PC 5/ 7-STF-7,62 - 1716661

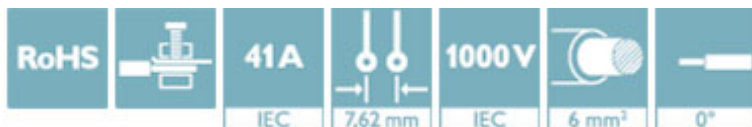
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Feed-through connector, nominal current: 41 A, rated voltage (III/2): 1000 V, number of positions: 7, pitch: 7.62 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin




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



Key Commercial Data

| | |
|--------------|---|
| Packing unit | 10 STK |
| GTIN |  4 046356 137287 |
| GTIN | 4046356137287 |

Technical data

Dimensions

| | |
|--------------|----------|
| Length [l] | 48.95 mm |
| Width [w] | 87.96 mm |
| Height [h] | 26.24 mm |
| Pitch | 7.62 mm |
| Dimension a | 45.72 mm |

General

| | |
|---------------------|--------------------------------------|
| Range of articles | DFK-PC 5/...-STF |
| Type of contact | Male connector |
| Number of positions | 7 |
| Connection method | Screw connection with tension sleeve |

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Technical data

General

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

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Technical data

Connection data

| | |
|---------------------------------|---|
| Maximum AWG according to UL/CUL | 8 |
|---------------------------------|---|

Standards and Regulations

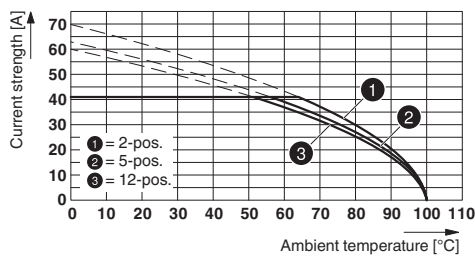
| | |
|--|--------|
| Connection in acc. with standard | EN-VDE |
| | CUL |
| Flammability rating according to UL 94 | V0 |

Environmental Product Compliance

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

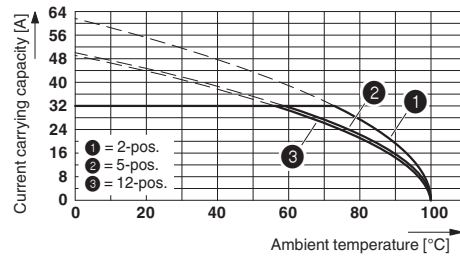
Drawings

Diagram



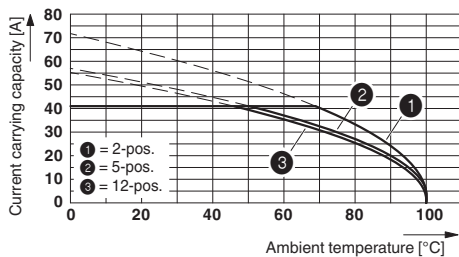
Type: SPC 5/...-STF-7,62 with DFK-PC 5/...-STF-7,62
 Conductor cross section: 10 mm²

Diagram



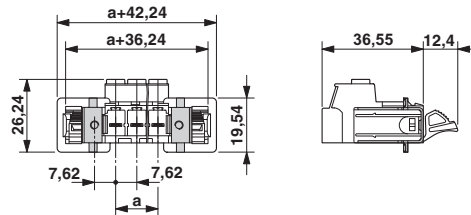
Derating curve for: DFK-PC 5/...-ST-7,62 with PC 5/...-ST-7,62
 Conductor cross section = 6 mm²

Diagram



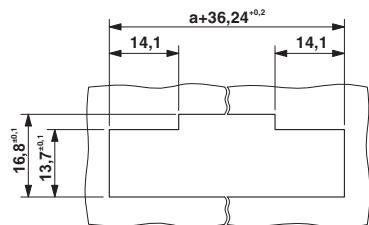
Derating curve for: DFK-PC 5/...-ST-7,62 with PC 5/...-ST-7,62
 Conductor cross section = 10 mm²

Dimensional drawing



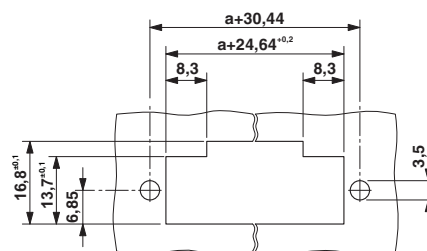
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Dimensional drawing



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 |
|-----|--|---------|

| | | | |
|------------------|--|---|-----------------|
| cULus Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | E60425-19920722 |
|------------------|--|---|-----------------|

| | B | C |
|----------------------------|-------|-------|
| Nominal voltage UN | 600 V | 600 V |
| Nominal current IN | 41 A | 41 A |
| mm ² /AWG/kcmil | 24-8 | 24-8 |

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