

## Housing - DFK-PC 6-16/ 9-G-10,16 - 1701524

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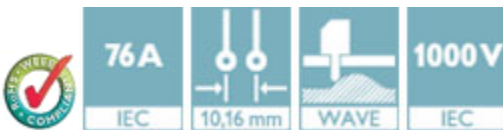
Header, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 9, Pitch: 10.16 mm, Color: green, Contact surface: Silver, Mounting: Wave soldering



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

### Product Features

- Panel thickness of 1 mm to 3 mm
- Mounted on the housing panel by means of tool-free snap-lock mechanism or conventional screw connection
- For soldering onto the PCB
- Feed-through headers for use in combination with all PC 6 and PC 16 plugs



### Key Commercial Data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 pc     |
| Minimum order quantity               | 10 pc    |
| Weight per Piece (excluding packing) | 46.33 g  |
| Custom tariff number                 | 85366990 |
| Country of origin                    | Poland   |

### Technical data

#### Dimensions

|                          |              |
|--------------------------|--------------|
| Length                   | 34 mm        |
| Pitch                    | 10.16 mm     |
| Dimension a              | 81.28 mm     |
| Constructional height    | 19 mm        |
| Length of the solder pin | 4.1 mm       |
| Pin dimensions           | 1,0 x 1,2 mm |
| Pin spacing              | 10.16 mm     |

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## Technical data

### Dimensions

|               |        |
|---------------|--------|
| Hole diameter | 1.7 mm |
|---------------|--------|

### General

|  |                  |
|--|------------------|
| Range of articles                      | DFK-PC 6-16/..-G |
| 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             |
| Maximum load current                   | 76 A             |
| Insulating material                    | PA               |
| Flammability rating according to UL 94 | V0               |
| Color                                  | green            |
| Number of positions                    | 9                |

### Standards and Regulations

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

### 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 | 27440402 |
| eCl@ss 9.0 | 27440402 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
|----------|----------|

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## Classifications

### ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC002637 |
| ETIM 5.0 | EC002637 |

### 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 / SEV / cUL Recognized / EAC / IECCE CB Scheme / EAC / cULus Recognized

#### Ex Approvals

#### Approvals submitted

## Approval details

|   |       |       |       |
|---|-------|-------|-------|
| UL Recognized  |       |       |       |
|   | B     | C     | D     |
| Nominal current IN  | 66 A  | 66 A  | 5 A   |
| Nominal voltage UN  | 300 V | 300 V | 600 V |

|                    |        |
|--------------------|--------|
| SEV                |        |
| Nominal current IN | 76 A   |
| Nominal voltage UN | 1000 V |

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## Approvals

|                                |       |       |       |
|--------------------------------|-------|-------|-------|
| cUL Recognized                 |       |       |       |
|                                | B     | C     | D     |
| Nominal current I <sub>N</sub> | 66 A  | 66 A  | 5 A   |
| Nominal voltage U <sub>N</sub> | 300 V | 300 V | 600 V |

EAC

|                                |        |
|--------------------------------|--------|
| IECEE CB Scheme                |        |
| Nominal current I <sub>N</sub> | 76 A   |
| Nominal voltage U <sub>N</sub> | 1000 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



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### Accessories

Accessories - CS-IPC 16/ 6 - 1970016



Coding pin, serves to ensure correct polarization on the PCB during manual mounting

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### Mounting material

Accessories - DFK-PC 16-SS - 1705449



Screw set for DFK-PC 16... connectors

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### Screwdriver tools

Screwdriver - SZK PH1 VDE - 1205150



Screwdriver, PH crosshead, VDE insulated, size: PH 1 x 80 mm, 2-component grip, with non-slip grip

Screwdriver - SZS 0,6X2,5 VDE - 1205040



Screwdriver, slot-headed, VDE insulated, size: 0.6 x 2.5 x 80 mm, 2-component grip, with non-slip grip

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### Additional products

# Housing - DFK-PC 6-16/ 9-G-10,16 - 1701524

## Accessories

Printed-circuit board connector - PC 16/ 9-ST-10,16 - 1967443



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

Printed-circuit board connector - TPC 16/ 9-ST-10,16 - 1715248



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

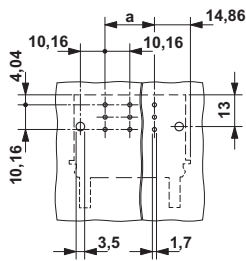
Plug - SPC 16/ 9-ST-10,16 - 1711336



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

## Drawings

Drilling diagram



Diagram

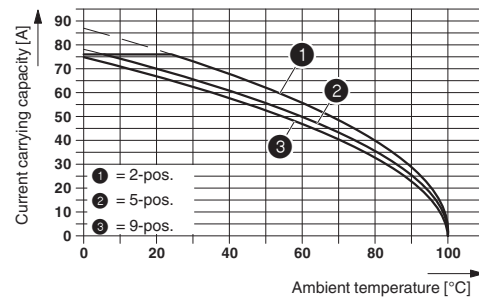
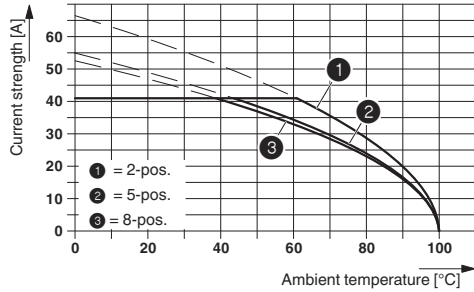


Illustration shows the derating curve for plugs PC 16/...-ST-10,16 in combination with header DFK-PC 6-16/...-G-10,16.

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Diagram



Dimensional drawing

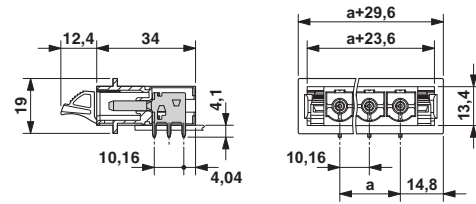
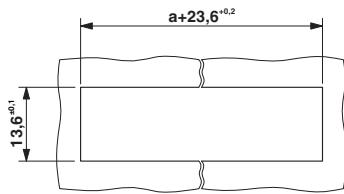


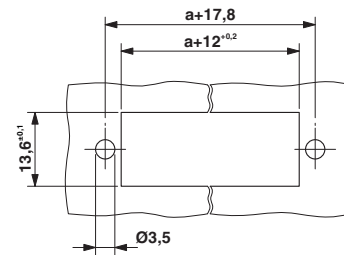
Illustration shows the derating curve for plugs PC 6/...-ST-10,16 in combination with header DFK-PC 6-16/...-G-10,16.

Dimensional drawing



Sheet metal cutout for snap-on.

Dimensional drawing



Sheet metal cutout for screw connection.

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