

## Printed-circuit board connector - DFK-PC 5/12-GF-SH-7,62 - 1716166

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Feed-through header, nominal current: 41 A, rated voltage (III/2): 630 V, nominal cross section: 6 mm², number of positions: 12, pitch: 7.62 mm, color: green, contact surface: Tin, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 5 mm

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

### Your advantages

- ✓ Well-known mounting principle allows worldwide use
- ✓ Flange system enables secure fixing to the housing panel by means of tool-free snap-in locking or screws
- ✓ Shroud for professional EMC shield feed-through on the inside of the device
- ✓ Screwable flange for superior mechanical stability



### Key Commercial Data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 1 pc                                                                                                    |
| Minimum order quantity               | 10 pc                                                                                                   |
| GTIN                                 | <br>4 046356 136785 |
| GTIN                                 | 4046356136785                                                                                           |
| Weight per Piece (excluding packing) | 22.220 g                                                                                                |
| Custom tariff number                 | 85366990                                                                                                |
| Country of origin                    | Poland                                                                                                  |

### Technical data

#### Dimensions

|              |           |
|--------------|-----------|
| Length [ l ] | 29.25 mm  |
| Width        | 116.94 mm |
| Pitch        | 7.62 mm   |
| Dimension a  | 83.82 mm  |

# Printed-circuit board connector - DFK-PC 5/12-GF-SH-7,62 - 1716166

## Technical data

### Dimensions

|                          |            |
|--------------------------|------------|
| Width [ w ]              | 116.94 mm  |
| Height [ h ]             | 21.1 mm    |
| Height                   | 19.54 mm   |
| Length of the solder pin | 5 mm       |
| Pin dimensions           | 0.8 x 1 mm |
| Pin spacing              | 7.62 mm    |
| Length                   | 29.25 mm   |

### General

|                                        |                    |
|----------------------------------------|--------------------|
| Range of articles                      | DFK-PC 5/...-GF-SH |
| Insulating material group              | I                  |
| Rated surge voltage (III/3)            | 6 kV               |
| Rated surge voltage (III/2)            | 6 kV               |
| Rated surge voltage (II/2)             | 6 kV               |
| Rated voltage (III/3)                  | 500 V              |
| Rated voltage (III/2)                  | 630 V              |
| Rated voltage (II/2)                   | 800 V              |
| Connection in acc. with standard       | EN-VDE             |
| Nominal current I <sub>N</sub>         | 41 A               |
| Maximum load current                   | 41 A               |
| Insulating material                    | PA                 |
| Flammability rating according to UL 94 | V0                 |
| Color                                  | green              |
| Number of positions                    | 12                 |

### 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: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

## Classifications

### eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27440402 |
| eCl@ss 4.0    | 27260700 |

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### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.1 | 27260700 |
| eCl@ss 5.0 | 27260700 |
| eCl@ss 5.1 | 27260700 |
| eCl@ss 6.0 | 27260700 |
| eCl@ss 7.0 | 27440402 |
| eCl@ss 8.0 | 27440402 |
| eCl@ss 9.0 | 27440402 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002637 |
| ETIM 5.0 | EC002637 |
| ETIM 6.0 | EC002637 |
| ETIM 7.0 | EC002637 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211810 |
| UNSPSC 7.0901 | 39121409 |
| UNSPSC 11     | 39121409 |
| UNSPSC 12.01  | 39121409 |
| UNSPSC 13.2   | 39121409 |
| UNSPSC 18.0   | 39121409 |
| UNSPSC 19.0   | 39121409 |
| UNSPSC 20.0   | 39121409 |
| UNSPSC 21.0   | 39121409 |

### Approvals

#### Approvals

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Approvals

EAC / cULus Recognized

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Ex Approvals

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#### Approval details

# Printed-circuit board connector - DFK-PC 5/12-GF-SH-7,62 - 1716166

## Approvals

|     |                                                                                   |         |
|-----|-----------------------------------------------------------------------------------|---------|
| EAC |  | B.01687 |
|-----|-----------------------------------------------------------------------------------|---------|

|                    |                                                                                   |                                                                                                                                                       |                 |
|--------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 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 |
|                    | B                                                                                 | C                                                                                                                                                     | D               |
| Nominal voltage UN | 300 V                                                                             | 150 V                                                                                                                                                 | 300 V           |
| Nominal current IN | 41 A                                                                              | 41 A                                                                                                                                                  | 10 A            |

## 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

## Connector

Connector - C-SCF 2,5/6,3X0,8 - 3240159



Slip-on sleeve, non-insulated, 1.5 ... 2.5 mm², 6.3 x 0.8

Connector - C-SCF 6/6,3X0,8 - 3240160



Slip-on sleeve, non-insulated, 4 ... 6 mm², 6.3 x 0.8

## Printed-circuit board connector - DFK-PC 5/12-GF-SH-7,62 - 1716166

### Accessories

Connector - C-SCF 1,5/6,3X0,8 - 3240156



Slip-on sleeve, non-insulated, 0.5 ... 1.5 mm², 6.3 x 0.8

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Connector - C-SCFI 6/6,3X0,8 - 3240056



Slip-on sleeve, yellow, 4 ... 6 mm², 6.3 x 0.8

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Connector - C-SCFI 1,5/6,3X0,8 - 3240052



Slip-on sleeve, red, 0.5 ... 1.5 mm², 6.3 x 0.8

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Connector - C-SCFFI 2,5/6,3X0,8 - 3240547



Slip-on sleeve, fully isolated, blue, 1.5 ... 2.5 mm², for plug 6.3 x 0.8 mm

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Connector - C-SCFI 2,5/6,3X0,8 - 3240055



Slip-on sleeve, blue, 1.5 ... 2.5 mm², 6.3 x 0.8

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## Printed-circuit board connector - DFK-PC 5/12-GF-SH-7,62 - 1716166

### Accessories

Connector - C-SCFFI 6/6,3X0,8 - 3240541



Slip-on sleeve, fully insulated, yellow, 4 ... 6 mm<sup>2</sup>, for 6.3 x 0.8 mm plugs

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Connector - C-SCFFI 1,5/6,3X0,8 - 3240538



Slip-on sleeve, fully isolated, red, 0.5 ... 1.5 mm<sup>2</sup>, for plug 6.3 x 0.8 mm

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### Connector set

Accessories - DFK-PC MOUNT SET - 1054021

Contains 20 pcs. latch and screw elements for feed-through connectors each

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### Labeled terminal marker

Marker card - SK 7,62/3,8:FORTL.ZAHLEN - 0804549



Marker card, Card, white, labeled, horizontal: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: adhesive, for terminal block width: 7.62 mm, lettering field size: 7.62 x 3.8 mm

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Marker card - SK 3,8 REEL P7,62 WH CUS - 0825128



Marker card, Card, can be ordered: By card, white, labeled according to customer specifications, mounting type: adhesive, for terminal block width: 7.62 mm, lettering field size: continuous x 3.8 mm

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### Mounting material

## Printed-circuit board connector - DFK-PC 5/12-GF-SH-7,62 - 1716166

### Accessories

Accessories - DFK-PC 16-SS - 1705449



Screw set for DFK-PC 16... connectors

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### Terminal marking

Marker card - SK U/3,8 WH:UNBEDRUCKT - 0803906



Marker card, Sheet, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, Office printing systems, mounting type: adhesive, for terminal block width: 210 mm, lettering field size: 186 x 3.8 mm, Number of individual labels: 1440

Marker strip - SK 3,8 WH:REEL - 0805218



Marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, for terminal block width: 90000 mm, lettering field size: continuous x 3.8 mm, Number of individual labels: 210000

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### Additional products

Printed-circuit board connector - TSPC 5/12-STF-7,62 - 1728303



PCB connector, nominal current: 41 A, rated voltage (III/2): 1000 V, nominal cross section: 6 mm<sup>2</sup>, number of positions: 12, pitch: 7.62 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

Printed-circuit board connector - PC 5/12-STF1-7,62 - 1777930



PCB connector, nominal current: 41 A, rated voltage (III/2): 1000 V, nominal cross section: 6 mm<sup>2</sup>, number of positions: 12, pitch: 7.62 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin

## Printed-circuit board connector - DFK-PC 5/12-GF-SH-7,62 - 1716166

### Accessories

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Printed-circuit board connector - SPC 5/12-STF-7,62 - 1996223



PCB connector, nominal current: 41 A, rated voltage (III/2): 1000 V, nominal cross section: 6 mm<sup>2</sup>, number of positions: 12, pitch: 7.62 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

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