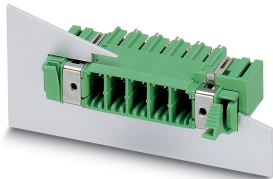


## Printed-circuit board connector - DFK-PCV 5/ 7-GF-7,62 - 1716441

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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

Feed-through header, nominal cross section: 6 mm<sup>2</sup>, color: green, nominal current: 41 A, rated voltage (III/2): 630 V, contact surface: Tin, type of contact: Male connector, Number of potentials: 7, Number of rows: 1, Number of positions per row: 7, number of connections: 7, product range: DFK-PCV 5/...-GF, pitch: 7.62 mm, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 5 mm, plug-in system: POWER COMBICON 5, Locking: Screw locking, type of packaging: packed in cardboard

### 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 connection on the front of the device
- ✓ Screwable flange for superior mechanical stability



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	10 pc
GTIN	 4 046356 137065
GTIN	4046356137065
Weight per Piece (excluding packing)	22.220 g
Custom tariff number	85366990
Country of origin	Poland

### Technical data

#### Item properties

Brief article description	Feed-through header
Plug-in system	POWER COMBICON 5
Type of contact	Male connector

# Printed-circuit board connector - DFK-PCV 5/ 7-GF-7,62 - 1716441

## Technical data

### Item properties

Range of articles	DFK-PCV 5/...-GF
Pitch	7.62 mm
Number of positions	7
Mounting type	Wave soldering
Pin layout	Linear pinning
Locking	Threaded flange
Number of levels	1
Number of connections	7
Number of potentials	7
Pin connector pattern alignment	Standard

### Electrical parameters

Nominal current	41 A
Nom. voltage	630 V
Rated voltage (III/3)	500 V
Rated voltage (III/2)	630 V
Rated voltage (II/2)	800 V
Rated surge voltage (III/3)	6 kV
Rated surge voltage (III/2)	6 kV
Rated surge voltage (II/2)	6 kV

### Material data - contact

Note	WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/ JEDEC JESD 201
Contact material	Cu alloy
Metal surface contact area (top layer)	Tin (4 - 8 µm Sn)
Metal surface soldering area (top layer)	Tin (4 - 8 µm Sn)

### Material data - housing

Housing color	green (6021)
Insulating material	PA
Insulating material group	I
CTI according to IEC 60112	600
Flammability rating according to UL 94	V0
Glow wire flammability index GWFI according to EN 60695-2-12	850
Glow wire ignition temperature GWIT according to EN 60695-2-13	775
Temperature for the ball pressure test according to EN 60695-10-2	125 °C

### Dimensions for the product

# Printed-circuit board connector - DFK-PCV 5/ 7-GF-7,62 - 1716441

## Technical data

### Dimensions for the product

Caption	Schematische Abbildung - weitere Details siehe Produktfamilienzeichnung im Download Center
Length [ l ]	19.54 mm
Width [ w ]	87.96 mm
Height [ h ]	21.1 mm
Pitch	7.62 mm
Height (without solder pin)	29.25 mm
Solder pin [P]	5 mm
Pin spacing	7.62 mm
Pin dimensions	0.8 x 1 mm

### Dimensions for PCB design

Hole diameter	1.3 mm
Pin spacing	7.62 mm

### Packaging information

Type of packaging	packed in cardboard
Pieces per package	10
Denomination packing units	Pcs.

### General product information

Type of note	Notes on operation
Note	In accordance with IEC 61984, COMBICON connectors have no switching power (COC). During designated use, they must not be plugged in or disconnected when carrying voltage or under load.

### Air clearances and creepage distances

### Standards and Regulations

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

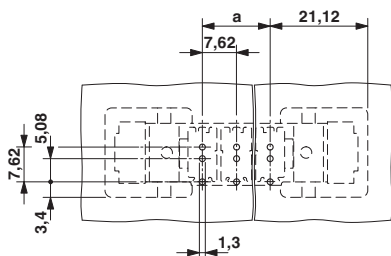
### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

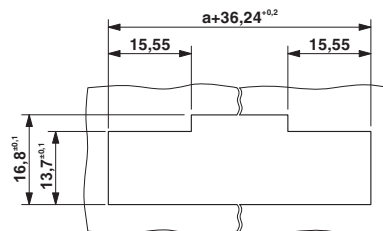
## Drawings

## Printed-circuit board connector - DFK-PCV 5/ 7-GF-7,62 - 1716441

Drilling diagram

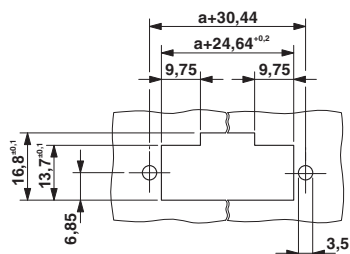


Dimensional drawing

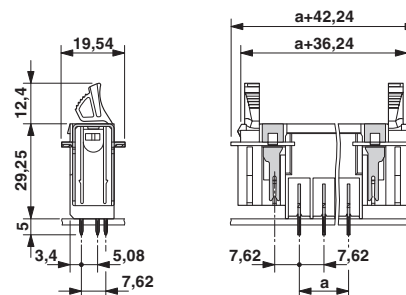


Sheet metal cutout for snap-on.

Dimensional drawing



Dimensional drawing



Sheet metal cutout for screw connection.

## Classifications

eCl@ss

eCl@ss 10.0.1	27440402
eCl@ss 11.0	27460201
eCl@ss 4.0	27260700
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 9.0	27440402

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002637
ETIM 6.0	EC002637
ETIM 7.0	EC002637

## Printed-circuit board connector - DFK-PCV 5/ 7-GF-7,62 - 1716441

### Classifications

#### 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

---


Approvals

EAC

---

Ex Approvals

#### Approval details

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