

# POWER COMBICON

## Feed-through headers with a 10.16 mm Pitch

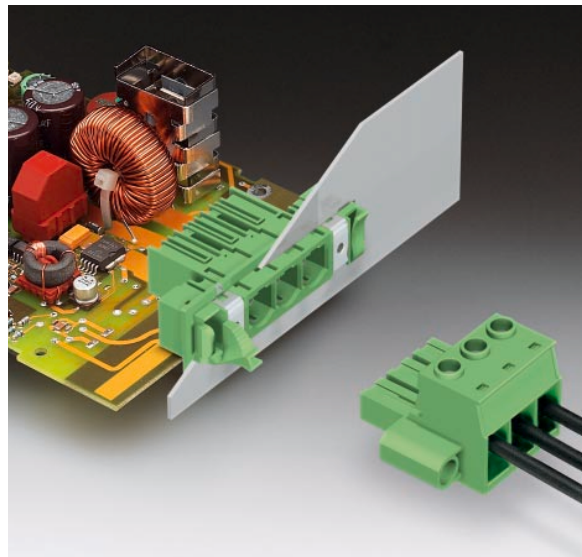
### DFK-PC(V) 6-16/...-G(F)(U)-(SH)-10,16

The DFK-PC 16 feed-through plug connector is an uncomplicated method of conducting a current of 76 A and a voltage of 600 V UL with a connection cross section of 16 mm<sup>2</sup> from inside the device to the outside and vice versa.

And this is how you make this seamless device connection: Just insert DFK-PC 16 into the opening in the housing and fix it in place using the easy-to-use snap-lock mechanism. The header version for direct soldering to the PCB is available with 2 to 9 positions and is suitable for the PC 6 plugs (with a current carrying capacity of 41 A) and the PC 16 plugs (current carrying capacity 76 A).

The versions with threaded flange "-GF/-GFU" have an integrated shroud, which carries the shielding function to the metal housing to comply with EMC regulations. If the housing of the device is not made of metal, it is possible with all "SH variants" to take the EMC shield function either directly onto the PCB or with a 6.3/2.8 x 0.8 mm slip-on connection to the next protection point.

It can be secured inside the housing using either the snap-lock mechanism or the conventional screw fixing. Both options are included with the product. If the screw option is chosen, screw set DFK-PC 16-SS should be used.



The COMBICON search engine with CAD downloading



COMBICON Select – the printed circuit board connection software supports your workflow from the PCB and housing layout to the ordering process with:

- Systematic and fast selection of products
- Universal Internet aided engineering with extensive CAD downloading
- Easy-to-use e-shopping functions.

[select.phoenixcontact.com/combicon](http://select.phoenixcontact.com/combicon)



easy-to-use  
snap-lock mechanism

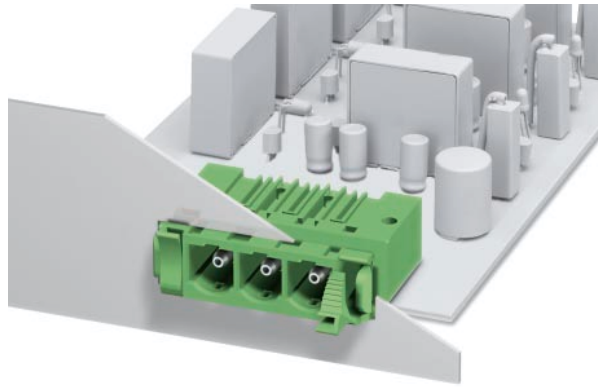


screw fixing

# POWER COMBICON

## Feed-through headers, DFK-PC 6-16/...-G-10,16

### 10.16 mm pitch



| Description                                                                                                             | No. of pos. | Dim.<br>a<br>[mm] |
|-------------------------------------------------------------------------------------------------------------------------|-------------|-------------------|
| <b>POWER COMBICON feed-through headers,<br/>pitch 10.16 mm, color: green,<br/>plug-in direction parallel to the PCB</b> | 2           | 10.16             |
|                                                                                                                         | 3           | 20.32             |
|                                                                                                                         | 4           | 30.48             |
|                                                                                                                         | 5           | 40.64             |
|                                                                                                                         | 6           | 50.80             |
|                                                                                                                         | 7           | 60.96             |
|                                                                                                                         | 8           | 71.12             |
|                                                                                                                         | 9           | 81.28             |

(1) **Coding profile**, is inserted into the groove on the plug and header, red insulating material



(2) **Coding pin**, serves to ensure correct polarization on the PCB during manual mounting



(3) **Screw set** for securing the header to the device wall, consisting of DIN ISO 70 49 screw ST 2,9 x 9,5, only necessary if the enclosed screw fixing is used

(4) **Screwdriver**,

a) to actuate the screw fixing  
b) facilitates actuating the snap-lock mechanism



(5) **Marker card**, with 10 pcs.  
10-section marker strips, white, self-adhesive, for 100 terminal blocks

#### Technical data

|                |           |
|----------------|-----------|
| Dimensions     |           |
| Pitch          | [mm]      |
| Hole diameter  | [mm]      |
| Pin dimensions | [mm]x[mm] |

#### Technical data in accordance with IEC/ DIN VDE

|                                              |      |
|----------------------------------------------|------|
| Insulating material group                    | —    |
| Surge voltage category / contamination class | —/—  |
| Rated voltage                                | [V]  |
| Rated surge voltage                          | [kV] |
| Nominal current                              | [A]  |
| Maximum load current                         | [A]  |

#### Insulating material

Inflammability class in acc. with UL 94

#### Approval data (UL/CUL and CSA)

|                                             |                     |
|---------------------------------------------|---------------------|
| Nominal voltage / current / conductor sizes | UL/CUL: [V]/[A]/AWG |
|                                             | CSA: [V]/[A]/AWG    |

| Type                           | Order No. | Pcs./Pkt. |
|--------------------------------|-----------|-----------|
| DFK-PC 6-16/ 2-G-10,16         | 1701456   | 50        |
| DFK-PC 6-16/ 3-G-10,16         | 1701469   |           |
| DFK-PC 6-16/ 4-G-10,16         | 1701472   |           |
| DFK-PC 6-16/ 5-G-10,16         | 1701485   | 50        |
| DFK-PC 6-16/ 6-G-10,16         | 1701498   |           |
| DFK-PC 6-16/ 7-G-10,16         | 1701508   |           |
| DFK-PC 6-16/ 8-G-10,16         | 1701511   | 20        |
| DFK-PC 6-16/ 9-G-10,16         | 1701524   |           |
| CP-HCC 4                       | 1600027   | 50        |
| CS-IPC 16/6                    | 1970016   | 50        |
| DFK-PC16-SS                    | 1705449   | 20        |
| SZK PH 1                       | 1205150   | 10        |
| SZS 0,6 x 2,5                  | 1205040   | 10        |
| SK 10/5 (see COMBICON catalog) |           |           |

see description

10.16

1.7

0.8 x 1.2

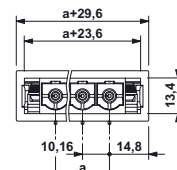
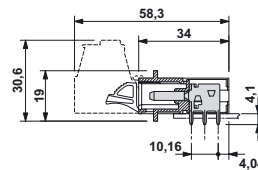
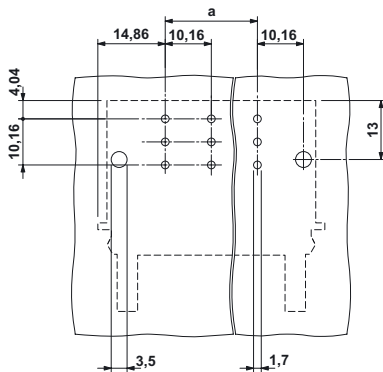
|         |                                     |        |
|---------|-------------------------------------|--------|
|         | I                                   |        |
| III / 3 | III / 2                             | II / 2 |
| 1000    | 1000                                | 1000   |
| 8       | 8                                   | 6      |
|         | 41 <sup>1)</sup> / 76 <sup>1)</sup> |        |
|         | 41 <sup>1)</sup> / 76 <sup>1)</sup> |        |

PA

V0

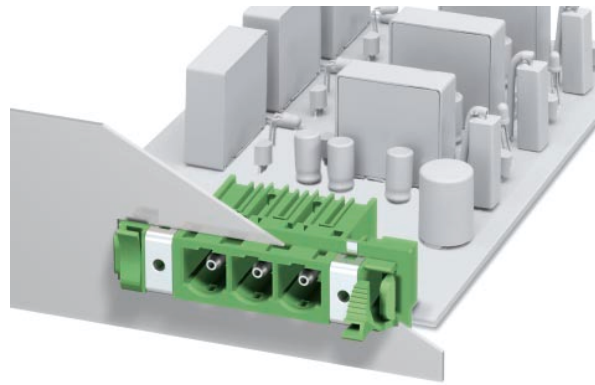
applied for

<sup>1)</sup> 41 A with PC 6/... plug, 76 A with PC 16/... plug  
Observe derating curve



# POWER COMBICON

## Feed-through headers, DFK-PC 6-16/...-GF-10,16, 10.16 mm pitch



| Description                                                                                                                                                                                            | No. of pos. | Dim.<br>a<br>[mm] |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------|
| <b>POWER COMBICON feed-through headers, pitch 10.16 mm, color: green,</b><br>plug-in direction parallel to the PCB, with threaded flange and integrated shield connection to the housing of the device | 2           | 10.16             |
|                                                                                                                                                                                                        | 3           | 20.32             |
|                                                                                                                                                                                                        | 4           | 30.48             |
|                                                                                                                                                                                                        | 5           | 40.64             |
|                                                                                                                                                                                                        | 6           | 50.80             |
|                                                                                                                                                                                                        | 7           | 60.96             |
|                                                                                                                                                                                                        | 8           | 71.12             |
|                                                                                                                                                                                                        | 9           | 81.28             |

(1) **Coding profile**, is inserted into the groove on the plug and header, red insulating material



(2) **Coding pin**, serves to ensure correct polarization on the PCB during manual mounting



(3) **Screw set** for securing the header to the device wall, consisting of DIN ISO 70 49 screw ST 2,9 x 9,5, only necessary if the enclosed screw fixing is used

(4) **Screwdriver**,

a) to actuate the screw fixing  
b) facilitates actuating the snap-lock mechanism



(5) **Marker card**, with 10 pcs.  
10-section marker strips, white, self-adhesive, for 100 terminal blocks

### Technical data

|                |           |
|----------------|-----------|
| Dimensions     |           |
| Pitch          | [mm]      |
| Hole diameter  | [mm]      |
| Pin dimensions | [mm]x[mm] |

### Technical data in accordance with IEC/ DIN VDE

|                                              |      |
|----------------------------------------------|------|
| Insulating material group                    | —    |
| Surge voltage category / contamination class | —/—  |
| Rated voltage                                | [V]  |
| Rated surge voltage                          | [kV] |
| Nominal current                              | [A]  |
| Maximum load current                         | [A]  |

### Insulating material

Inflammability class in acc. with UL 94

### Approval data (UL/CUL and CSA)

|                                             |                     |
|---------------------------------------------|---------------------|
| Nominal voltage / current / conductor sizes | UL/CUL: [V]/[A]/AWG |
|                                             | CSA: [V]/[A]/AWG    |

| Type                           | Order No. | Pcs./Pkt. |
|--------------------------------|-----------|-----------|
| DFK-PC 6-16/ 2-GF-10,16        | 1701537   | 50        |
| DFK-PC 6-16/ 3-GF-10,16        | 1701540   |           |
| DFK-PC 6-16/ 4-GF-10,16        | 1701553   |           |
| DFK-PC 6-16/ 5-GF-10,16        | 1701566   | 50        |
| DFK-PC 6-16/ 6-GF-10,16        | 1701579   |           |
| DFK-PC 6-16/ 7-GF-10,16        | 1701582   |           |
| DFK-PC 6-16/ 8-GF-10,16        | 1701595   | 20        |
| DFK-PC 6-16/ 9-GF-10,16        | 1701605   |           |
| CP-HCC 4                       | 1600027   | 50        |
| CS-IPC 16/6                    | 1970016   | 50        |
| DFK-PC16-SS                    | 1705449   | 20        |
| SZK PH 1                       | 1205150   | 10        |
| SZS 0,6 x 2,5                  | 1205040   | 10        |
| SK 10/5 (see COMBICON catalog) |           |           |

see description

10.16

1.7

0.8 x 1.2

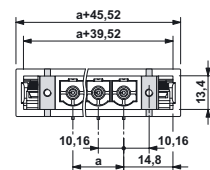
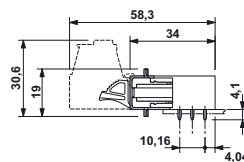
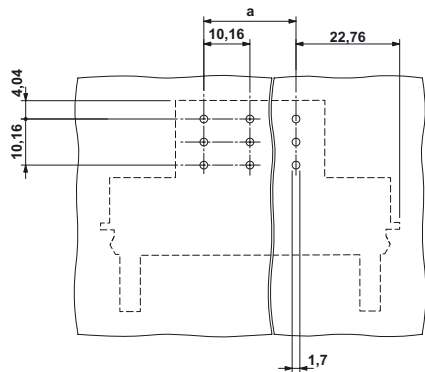
|         |                                     |        |
|---------|-------------------------------------|--------|
|         | I                                   |        |
| III / 3 | III / 2                             | II / 2 |
| 1000    | 1000                                | 1000   |
| 8       | 8                                   | 6      |
|         | 41 <sup>1)</sup> / 76 <sup>1)</sup> |        |
|         | 41 <sup>1)</sup> / 76 <sup>1)</sup> |        |

PA

V0

applied for

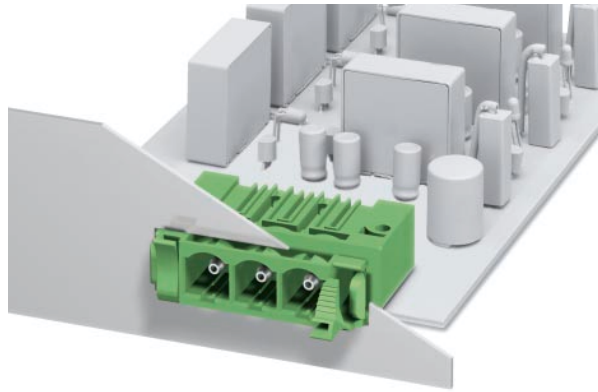
<sup>1)</sup> 41 A with PC 6/... plug, 76 A with PC 16/... plug  
Observe derating curve



# POWER COMBICON

## Feed-through headers, DFK-PC 6-16/...-GU-10,16

### 10.16 mm pitch



| Description                                                                                                                                                        | No. of pos. | Dim.<br>a<br>[mm] |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------|
| <b>POWER COMBICON feed-through headers,</b><br><b>pitch 10.16 mm,</b> color: green,<br>plug-in direction parallel to the PCB,<br>solder-in direction 180° reversed | 2           | 10.16             |
|                                                                                                                                                                    | 3           | 20.32             |
|                                                                                                                                                                    | 4           | 30.48             |
|                                                                                                                                                                    | 5           | 40.64             |
|                                                                                                                                                                    | 6           | 50.80             |
|                                                                                                                                                                    | 7           | 60.96             |
|                                                                                                                                                                    | 8           | 71.12             |
|                                                                                                                                                                    | 9           | 81.28             |

(1) **Coding profile**, is inserted into the groove on the plug and header, red insulating material



(2) **Coding pin**, serves to ensure correct polarization on the PCB during manual mounting

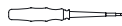


(3) **Screw set** for securing the header to the device wall, consisting of DIN ISO 70 49 screw ST 2,9 x 9,5, only necessary if the enclosed screw fixing is used

(4) **Screwdriver**,

a) to actuate the screw fixing

b) facilitates actuating the snap-lock mechanism



(5) **Marker card**, with 10 pcs.

10-section marker strips, white, self-adhesive, for 100 terminal blocks

#### Technical data

|                |           |
|----------------|-----------|
| Dimensions     |           |
| Pitch          | [mm]      |
| Hole diameter  | [mm]      |
| Pin dimensions | [mm]x[mm] |

#### Technical data in accordance with IEC/ DIN VDE

|                                              |      |
|----------------------------------------------|------|
| Insulating material group                    | —    |
| Surge voltage category / contamination class | —/—  |
| Rated voltage                                | [V]  |
| Rated surge voltage                          | [kV] |
| Nominal current                              | [A]  |
| Maximum load current                         | [A]  |

#### Insulating material

Inflammability class in acc. with UL 94

#### Approval data (UL/CUL and CSA)

|                                             |                     |
|---------------------------------------------|---------------------|
| Nominal voltage / current / conductor sizes | UL/CUL: [V]/[A]/AWG |
|                                             | CSA: [V]/[A]/AWG    |

| Type                           | Order No. | Pcs./Pkt. |
|--------------------------------|-----------|-----------|
| DFK-PC 6-16/ 2-GU-10,16        | 1701618   | 50        |
| DFK-PC 6-16/ 3-GU-10,16        | 1701621   |           |
| DFK-PC 6-16/ 4-GU-10,16        | 1701634   |           |
| DFK-PC 6-16/ 5-GU-10,16        | 1701647   | 50        |
| DFK-PC 6-16/ 6-GU-10,16        | 1701650   |           |
| DFK-PC 6-16/ 7-GU-10,16        | 1701663   |           |
| DFK-PC 6-16/ 8-GU-10,16        | 1701676   | 20        |
| DFK-PC 6-16/ 9-GU-10,16        | 1701689   |           |
| CP-HCC 4                       | 1600027   | 50        |
| CS-IPC 16/6                    | 1970016   | 50        |
| DFK-PC16-SS                    | 1705449   | 20        |
| SZK PH 1                       | 1205150   | 10        |
| SZS 0,6 x 2,5                  | 1205040   | 10        |
| SK 10/5 (see COMBICON catalog) |           |           |

see description

10.16

1.7

0.8 x 1.2

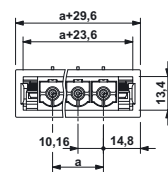
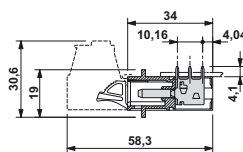
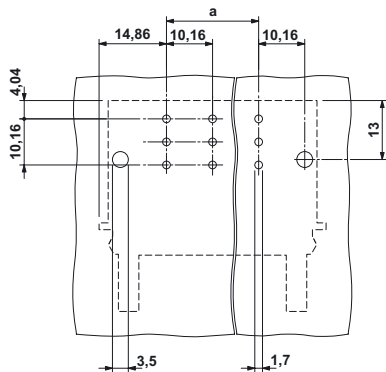
|         |                                     |        |
|---------|-------------------------------------|--------|
|         | I                                   |        |
| III / 3 | III / 2                             | II / 2 |
| 1000    | 1000                                | 1000   |
| 8       | 8                                   | 6      |
|         | 41 <sup>1)</sup> / 76 <sup>1)</sup> |        |
|         | 41 <sup>1)</sup> / 76 <sup>1)</sup> |        |

PA

V0

applied for

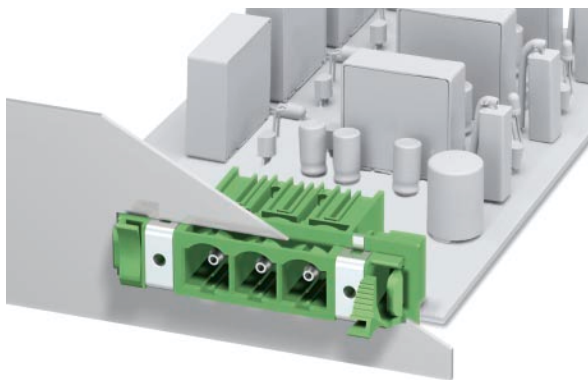
<sup>1)</sup> 41 A with PC 6/... plug, 76 A with PC 16/... plug  
Observe derating curve



# POWER COMBICON

## Feed-through headers, DFK-PC 6-16/...-GFU-10,16

### 10.16 mm pitch



| Description                                                                                                                                                         | No. of pos. | Dim.<br>a<br>[mm] |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------|
| <b>POWER COMBICON feed-through headers, pitch 10.16 mm, color: green,</b>                                                                                           | 2           | 10.16             |
| <b>solder-in direction 180° reversed, with threaded flange and integrated shield connection to the housing of the device, plug-in direction parallel to the PCB</b> | 3           | 20.32             |
|                                                                                                                                                                     | 4           | 30.48             |
|                                                                                                                                                                     | 5           | 40.64             |
|                                                                                                                                                                     | 6           | 50.80             |
|                                                                                                                                                                     | 7           | 60.96             |
|                                                                                                                                                                     | 8           | 71.12             |
|                                                                                                                                                                     | 9           | 81.28             |

(1) **Coding profile**, is inserted into the groove on the plug and header, red insulating material



(2) **Coding pin**, serves to ensure correct polarization on the PCB during manual mounting



(3) **Screw set** for securing the header to the device wall, consisting of DIN ISO 70 49 screw ST 2,9 x 9,5, only necessary if the enclosed screw fixing is used

(4) **Screwdriver**,

a) to actuate the screw fixing

b) facilitates actuating the snap-lock mechanism



(5) **Marker card**, with 10 pcs.

10-section marker strips, white, self-adhesive, for 100 terminal blocks

#### Technical data

|                |           |
|----------------|-----------|
| Dimensions     |           |
| Pitch          | [mm]      |
| Hole diameter  | [mm]      |
| Pin dimensions | [mm]x[mm] |

#### Technical data in accordance with IEC/ DIN VDE

|                                              |      |
|----------------------------------------------|------|
| Insulating material group                    | —    |
| Surge voltage category / contamination class | —/—  |
| Rated voltage                                | [V]  |
| Rated surge voltage                          | [kV] |
| Nominal current                              | [A]  |
| Maximum load current                         | [A]  |

#### Insulating material

Inflammability class in acc. with UL 94

#### Approval data (UL/CUL and CSA)

|                                             |                     |
|---------------------------------------------|---------------------|
| Nominal voltage / current / conductor sizes | UL/CUL: [V]/[A]/AWG |
|                                             | CSA: [V]/[A]/AWG    |

| Type                                  | Order No.      | Pcs./Pkt. |
|---------------------------------------|----------------|-----------|
| <b>DFK-PC 6-16/ 2-GFU-10,16</b>       | <b>1701692</b> | 50        |
| <b>DFK-PC 6-16/ 3-GFU-10,16</b>       | <b>1701702</b> |           |
| <b>DFK-PC 6-16/ 4-GFU-10,16</b>       | <b>1701715</b> |           |
| <b>DFK-PC 6-16/ 5-GFU-10,16</b>       | <b>1701728</b> |           |
| <b>DFK-PC 6-16/ 6-GFU-10,16</b>       | <b>1701731</b> |           |
| <b>DFK-PC 6-16/ 7-GFU-10,16</b>       | <b>1701744</b> |           |
| <b>DFK-PC 6-16/ 8-GFU-10,16</b>       | <b>1701757</b> |           |
| <b>DFK-PC 6-16/ 9-GFU-10,16</b>       | <b>1701760</b> |           |
| <b>CP-HCC 4</b>                       | <b>1600027</b> | 50        |
| <b>CS-IPC 16/6</b>                    | <b>1970016</b> | 50        |
| <b>DFK-PC16-SS</b>                    | <b>1705449</b> | 20        |
| <b>SZK PH 1</b>                       | <b>1205150</b> | 10        |
| <b>SZS 0,6 x 2,5</b>                  | <b>1205040</b> | 10        |
| <b>SK 10/5</b> (see COMBICON catalog) |                |           |

see description

10.16

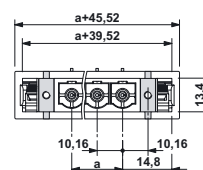
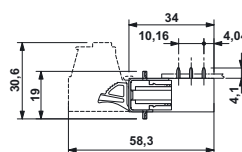
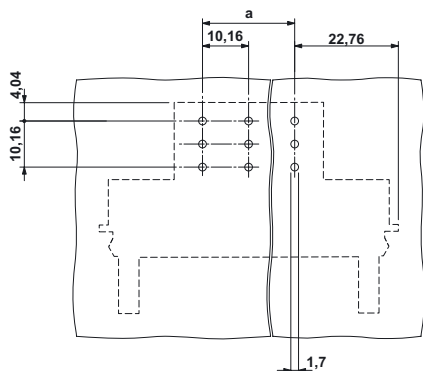
1.7

0.8 x 1.2

|         |                                     |        |
|---------|-------------------------------------|--------|
|         | I                                   |        |
| III / 3 | III / 2                             | II / 2 |
| 1000    | 1000                                | 1000   |
| 8       | 8                                   | 6      |
|         | 41 <sup>1)</sup> / 76 <sup>1)</sup> |        |
|         | 41 <sup>1)</sup> / 76 <sup>1)</sup> |        |
|         | PA                                  |        |
|         | V0                                  |        |

applied for

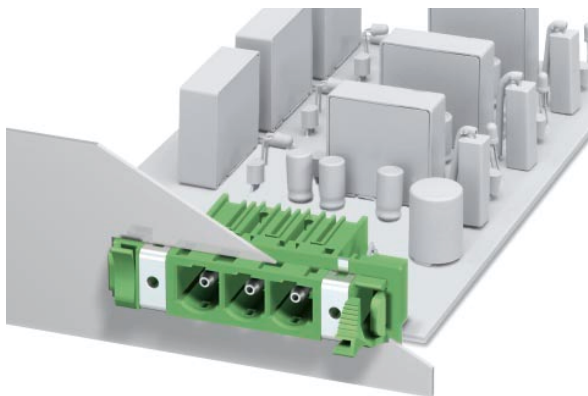
<sup>1)</sup> 41 A with PC 6/... plug, 76 A with PC 16/... plug  
Observe derating curve



# POWER COMBICON

## Feed-through headers, DFK-PC 6-16-GF-SH-10,16

### 10.16 mm pitch



| Description                                                                                                                                                                       | No. of pos. | Dim.<br>a<br>[mm] |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------|
| <b>POWER COMBICON feed-through headers, pitch 10.16 mm, color: green, with threaded flange and integrated shield connection to the PCB, plug-in direction parallel to the PCB</b> | 2           | 10.16             |
|                                                                                                                                                                                   | 3           | 20.32             |
|                                                                                                                                                                                   | 4           | 30.48             |
|                                                                                                                                                                                   | 5           | 40.64             |
|                                                                                                                                                                                   | 6           | 50.80             |
|                                                                                                                                                                                   | 7           | 60.96             |
|                                                                                                                                                                                   | 8           | 71.12             |
|                                                                                                                                                                                   | 9           | 81.28             |

(1) **Coding profile**, is inserted into the groove on the plug and header, red insulating material



(2) **Coding pin**, serves to ensure correct polarization on the PCB during manual mounting



(3) **Screw set** for securing the header to the device wall, consisting of DIN ISO 70 49 screw ST 2,9 x 9,5, only necessary if the enclosed screw fixing is used

(4) **Screwdriver**,

a) to actuate the screw fixing

b) facilitates actuating the snap-lock mechanism



(5) **Marker card**, with 10 pcs.

10-section marker strips, white, self-adhesive, for 100 terminal blocks

#### Technical data

|                |           |
|----------------|-----------|
| Dimensions     |           |
| Pitch          | [mm]      |
| Hole diameter  | [mm]      |
| Pin dimensions | [mm]x[mm] |

#### Technical data in accordance with IEC/ DIN VDE

|                                              |      |
|----------------------------------------------|------|
| Insulating material group                    | —    |
| Surge voltage category / contamination class | —/—  |
| Rated voltage                                | [V]  |
| Rated surge voltage                          | [kV] |
| Nominal current                              | [A]  |
| Maximum load current                         | [A]  |

#### Insulating material

Inflammability class in acc. with UL 94

#### Approval data (UL/CUL and CSA)

|                                             |                     |
|---------------------------------------------|---------------------|
| Nominal voltage / current / conductor sizes | UL/CUL: [V]/[A]/AWG |
|                                             | CSA: [V]/[A]/AWG    |

| Type                           | Order No. | Pcs./Pkt. |
|--------------------------------|-----------|-----------|
| DFK-PC 6-16/2-GF-SH-10,16      | 1701935   | 50        |
| DFK-PC 6-16/3-GF-SH-10,16      | 1701948   |           |
| DFK-PC 6-16/4-GF-SH-10,16      | 1701951   |           |
| DFK-PC 6-16/5-GF-SH-10,16      | 1701964   |           |
| DFK-PC 6-16/6-GF-SH-10,16      | 1701977   |           |
| DFK-PC 6-16/7-GF-SH-10,16      | 1701980   |           |
| DFK-PC 6-16/8-GF-SH-10,16      | 1701993   |           |
| DFK-PC 6-16/9-GF-SH-10,16      | 1702002   |           |
| CP-HCC 4                       | 1600027   | 50        |
| CS-IPC 16/6                    | 1970016   | 50        |
| DFK-PC16-SS                    | 1705449   | 20        |
| SZK PH 1                       | 1205150   | 10        |
| SZS 0,6 x 2,5                  | 1205040   | 10        |
| SK 10/5 (see COMBICON catalog) |           |           |

see description

10.16

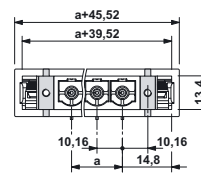
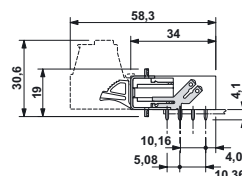
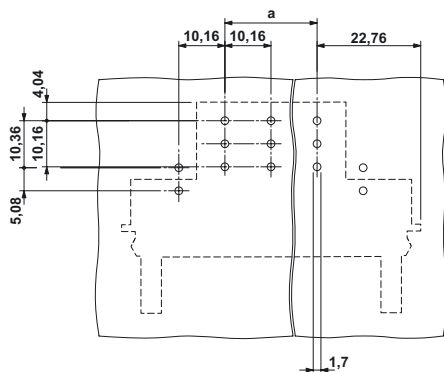
1.7

0.8 x 1.2

|         |                                     |        |
|---------|-------------------------------------|--------|
|         | I                                   |        |
| III / 3 | III / 2                             | II / 2 |
| 1000    | 1000                                | 1000   |
| 8       | 8                                   | 6      |
|         | 41 <sup>1)</sup> / 76 <sup>1)</sup> |        |
|         | 41 <sup>1)</sup> / 76 <sup>1)</sup> |        |
|         | PA                                  |        |
|         | V0                                  |        |

applied for

<sup>1)</sup> 41 A with PC 6/... plug, 76 A with PC 16/... plug  
Observe derating curve

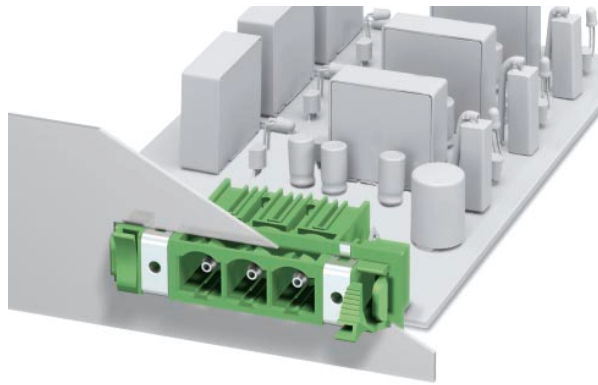


# POWER COMBICON

## Feed-through headers

### DFK-PC 6-16/...-GFU-SH-10,16

#### 10.16 mm pitch



| Description                                                                                                                                                                                                             | No. of pos. | Dim.<br>a<br>[mm] |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------------------|
| <b>POWER COMBICON feed-through headers, pitch 10.16 mm, color: green,</b><br>solder-in direction 180° reversed, with threaded flange and integrated shield connection to the PCB, plug-in direction parallel to the PCB | 2           | 10.16             |
|                                                                                                                                                                                                                         | 3           | 20.32             |
|                                                                                                                                                                                                                         | 4           | 30.48             |
|                                                                                                                                                                                                                         | 5           | 40.64             |
|                                                                                                                                                                                                                         | 6           | 50.80             |
|                                                                                                                                                                                                                         | 7           | 60.96             |
|                                                                                                                                                                                                                         | 8           | 71.12             |
|                                                                                                                                                                                                                         | 9           | 81.28             |

- (1) **Coding profile**, is inserted into the groove on the plug and header, red insulating material
- (2) **Coding pin**, serves to ensure correct polarization on the PCB during manual mounting



- (3) **Screw set** for securing the header to the device wall, consisting of DIN ISO 70 49 screw ST 2,9 x 9,5, only necessary if the enclosed screw fixing is used

- (4) **Screwdriver**,  
a) to actuate the screw fixing  
b) facilitates actuating the snap-lock mechanism



- (5) **Marker card**, with 10 pcs.  
10-section marker strips, white, self-adhesive, for 100 terminal blocks

#### Technical data

|                |           |
|----------------|-----------|
| Dimensions     |           |
| Pitch          | [mm]      |
| Hole diameter  | [mm]      |
| Pin dimensions | [mm]x[mm] |

#### Technical data in accordance with IEC/ DIN VDE

|                                              |      |
|----------------------------------------------|------|
| Insulating material group                    | —    |
| Surge voltage category / contamination class | —/—  |
| Rated voltage                                | [V]  |
| Rated surge voltage                          | [kV] |
| Nominal current                              | [A]  |
| Maximum load current                         | [A]  |

#### Insulating material

Inflammability class in acc. with UL 94

#### Approval data (UL/CUL and CSA)

|                                             |                     |
|---------------------------------------------|---------------------|
| Nominal voltage / current / conductor sizes | UL/CUL: [V]/[A]/AWG |
|                                             | CSA: [V]/[A]/AWG    |

| Type                           | Order No. | Pcs./Pkt. |
|--------------------------------|-----------|-----------|
| DFK-PC 6-16/2-GFU-SH-10,16     | 1702015   | 50        |
| DFK-PC 6-16/3-GFU-SH-10,16     | 1702028   |           |
| DFK-PC 6-16/4-GFU-SH-10,16     | 1702031   |           |
| DFK-PC 6-16/5-GFU-SH-10,16     | 1702044   | 50        |
| DFK-PC 6-16/6-GFU-SH-10,16     | 1702057   |           |
| DFK-PC 6-16/7-GFU-SH-10,16     | 1702060   |           |
| DFK-PC 6-16/8-GFU-SH-10,16     | 1702073   | 20        |
| DFK-PC 6-16/9-GFU-SH-10,16     | 1702086   |           |
| CP-HCC 4                       | 1600027   | 50        |
| CS-IPC 16/6                    | 1970016   | 50        |
| DFK-PC16-SS                    | 1705449   | 20        |
| SZK PH 1                       | 1205150   | 10        |
| SZS 0,6 x 2,5                  | 1205040   | 10        |
| SK 10/5 (see COMBICON catalog) |           |           |

see description

10.16

1.7

0.8 x 1.2

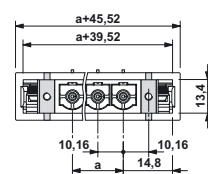
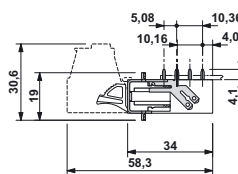
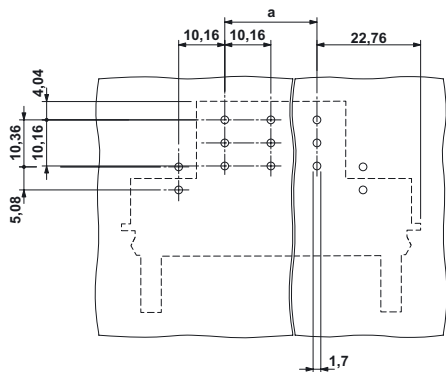
|         |                                     |        |
|---------|-------------------------------------|--------|
|         | I                                   |        |
| III / 3 | III / 2                             | II / 2 |
| 1000    | 1000                                | 1000   |
| 8       | 8                                   | 6      |
|         | 41 <sup>1)</sup> / 76 <sup>1)</sup> |        |
|         | 41 <sup>1)</sup> / 76 <sup>1)</sup> |        |

PA

V0

applied for

<sup>1)</sup> 41 A with PC 6/... plug, 76 A with PC 16/... plug  
Observe derating curve

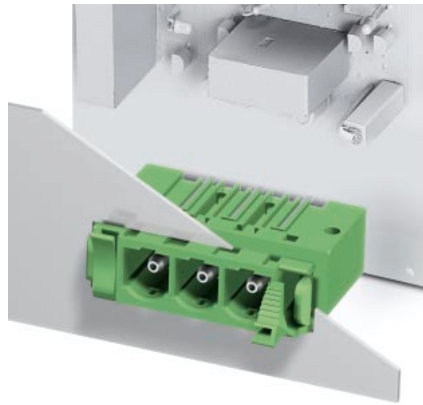


# POWER COMBICON

## Feed-through headers

### DFK-PCV 6-16/...-G-10,16

#### 10.16 mm pitch



| Description                                                                                                     | No. of pos. | Dim. a [mm] |
|-----------------------------------------------------------------------------------------------------------------|-------------|-------------|
| <b>POWER COMBICON feed-through headers, pitch 10.16 mm, color: green, plug-in direction vertical to the PCB</b> | 2           | 10.16       |
|                                                                                                                 | 3           | 20.32       |
|                                                                                                                 | 4           | 30.48       |
|                                                                                                                 | 5           | 40.64       |
|                                                                                                                 | 6           | 50.80       |
|                                                                                                                 | 7           | 60.96       |
|                                                                                                                 | 8           | 71.12       |
|                                                                                                                 | 9           | 81.28       |

- (1) **Coding profile**, is inserted into the groove on the plug and header, red insulating material
- (2) **Coding pin**, serves to ensure correct polarization on the PCB during manual mounting
- (3) **Screw set** for securing the header to the device wall, consisting of DIN ISO 70 49 screw ST 2,9 x 9,5, only necessary if the enclosed screw fixing is used
- (4) **Screwdriver**,  
a) to actuate the screw fixing  
b) facilitates actuating the snap-lock mechanism
- (5) **Marker card**, with 10 pcs.  
10-section marker strips, white, self-adhesive, for 100 terminal blocks

#### Technical data

|                |           |
|----------------|-----------|
| Dimensions     |           |
| Pitch          | [mm]      |
| Hole diameter  | [mm]      |
| Pin dimensions | [mm]x[mm] |

#### Technical data in accordance with IEC/ DIN VDE

|                                              |      |
|----------------------------------------------|------|
| Insulating material group                    | —    |
| Surge voltage category / contamination class | —/—  |
| Rated voltage                                | [V]  |
| Rated surge voltage                          | [kV] |
| Nominal current                              | [A]  |
| Maximum load current                         | [A]  |

#### Insulating material

Inflammability class in acc. with UL 94

#### Approval data (UL/CUL and CSA)

|                                             |                     |
|---------------------------------------------|---------------------|
| Nominal voltage / current / conductor sizes | UL/CUL: [V]/[A]/AWG |
|                                             | CSA: [V]/[A]/AWG    |

| Type                           | Order No. | Pcs./Pkt. |
|--------------------------------|-----------|-----------|
| DFK-PCV 6-16/ 2-G-10,16        | 1702099   | 50        |
| DFK-PCV 6-16/ 3-G-10,16        | 1702109   |           |
| DFK-PCV 6-16/ 4-G-10,16        | 1702112   |           |
| DFK-PCV 6-16/ 5-G-10,16        | 1702125   |           |
| DFK-PCV 6-16/ 6-G-10,16        | 1702138   |           |
| DFK-PCV 6-16/ 7-G-10,16        | 1702141   |           |
| DFK-PCV 6-16/ 8-G-10,16        | 1702154   |           |
| DFK-PCV 6-16/ 9-G-10,16        | 1702167   |           |
| CP-HCC 4                       | 1600027   | 50        |
| CS-IPC 16/6                    | 1970016   | 50        |
| DFK-PC16-SS                    | 1705449   | 20        |
| SZK PH 1                       | 1205150   | 10        |
| SZS 0,6 x 2,5                  | 1205040   | 10        |
| SK 10/5 (see COMBICON catalog) |           |           |

see description

10.16

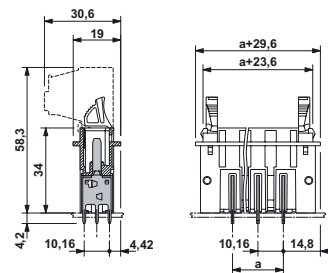
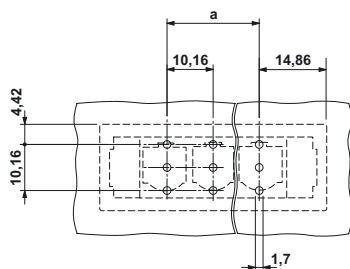
1.7

0.8 x 1.2

|         |                                     |        |
|---------|-------------------------------------|--------|
|         | I                                   |        |
| III / 3 | III / 2                             | II / 2 |
| 1000    | 1000                                | 1000   |
| 8       | 8                                   | 6      |
|         | 41 <sup>1)</sup> / 76 <sup>1)</sup> |        |
|         | 41 <sup>1)</sup> / 76 <sup>1)</sup> |        |
|         | PA                                  |        |
|         | V0                                  |        |

applied for

<sup>1)</sup> 41 A with PC 6/... plug, 76 A with PC 16/... plug  
Observe derating curve

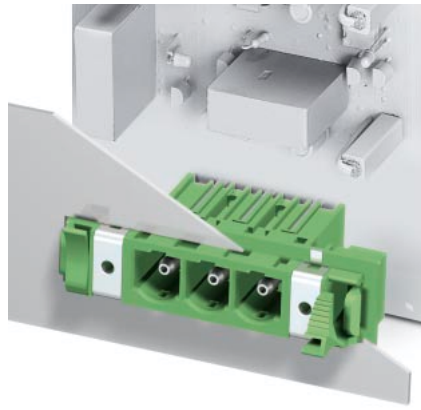


# POWER COMBICON

## Feed-through headers

### DFK-PCV 6-16/...-GF-10,16

#### 10.16 mm pitch



| Description                                       | No. of pos. | Dim.<br>a<br>[mm] |
|---------------------------------------------------|-------------|-------------------|
| <b>POWER COMBICON feed-through headers,</b>       |             |                   |
| <b>pitch 10.16 mm, color: green,</b>              | 2           | 10.16             |
| <b>plug-in direction vertical to the PCB,</b>     | 3           | 20.32             |
| <b>with threaded flange and integrated shield</b> | 4           | 30.48             |
| <b>connection to the housing of the device</b>    | 5           | 40.64             |
|                                                   | 6           | 50.80             |
|                                                   | 7           | 60.96             |
|                                                   | 8           | 71.12             |
|                                                   | 9           | 81.28             |

(1) **Coding profile**, is inserted into the groove on the plug and header, red insulating material



(2) **Coding pin**, serves to ensure correct polarization on the PCB during manual mounting

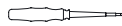


(3) **Screw set** for securing the header to the device wall, consisting of DIN ISO 70 49 screw ST 2,9 x 9,5, only necessary if the enclosed screw fixing is used

(4) **Screwdriver**,

a) to actuate the screw fixing

b) facilitates actuating the snap-lock mechanism



(5) **Marker card**, with 10 pcs.

10-section marker strips, white, self-adhesive, for 100 terminal blocks

#### Technical data

|                |           |
|----------------|-----------|
| Dimensions     |           |
| Pitch          | [mm]      |
| Hole diameter  | [mm]      |
| Pin dimensions | [mm]x[mm] |

#### Technical data in accordance with IEC/ DIN VDE

|                                              |      |
|----------------------------------------------|------|
| Insulating material group                    | —    |
| Surge voltage category / contamination class | —/—  |
| Rated voltage                                | [V]  |
| Rated surge voltage                          | [kV] |
| Nominal current                              | [A]  |
| Maximum load current                         | [A]  |

#### Insulating material

Inflammability class in acc. with UL 94

#### Approval data (UL/CUL and CSA)

|                                             |                     |
|---------------------------------------------|---------------------|
| Nominal voltage / current / conductor sizes | UL/CUL: [V]/[A]/AWG |
|                                             | CSA: [V]/[A]/AWG    |

| Type                           | Order No. | Pcs./Pkt. |
|--------------------------------|-----------|-----------|
| DFK-PCV 6-16/ 2-GF-10,16       | 1702251   | 50        |
| DFK-PCV 6-16/ 3-GF-10,16       | 1702264   |           |
| DFK-PCV 6-16/ 4-GF-10,16       | 1702277   |           |
| DFK-PCV 6-16/ 5-GF-10,16       | 1702280   |           |
| DFK-PCV 6-16/ 6-GF-10,16       | 1702293   |           |
| DFK-PCV 6-16/ 7-GF-10,16       | 1702303   |           |
| DFK-PCV 6-16/ 8-GF-10,16       | 1702316   |           |
| DFK-PCV 6-16/ 9-GF-10,16       | 1702329   |           |
| CP-HCC 4                       | 1600027   | 50        |
| CS-IPC 16/6                    | 1970016   | 50        |
| DFK-PC16-SS                    | 1705449   | 20        |
| SZK PH 1                       | 1205150   | 10        |
| SZS 0,6 x 2,5                  | 1205040   | 10        |
| SK 10/5 (see COMBICON catalog) |           |           |

see description

10.16

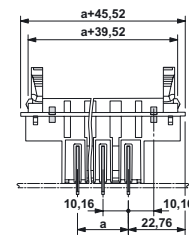
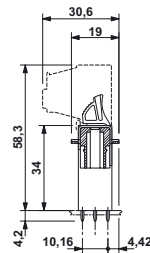
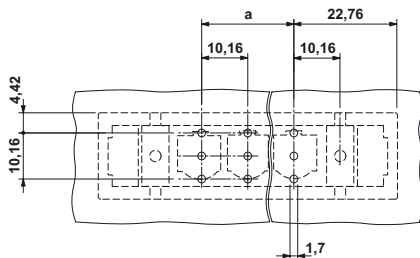
1.7

0.8 x 1.2

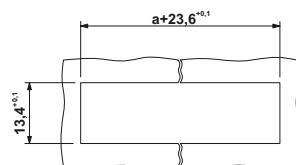
|         |                                     |        |
|---------|-------------------------------------|--------|
|         | I                                   |        |
| III / 3 | III / 2                             | II / 2 |
| 1000    | 1000                                | 1000   |
| 8       | 8                                   | 6      |
|         | 41 <sup>1)</sup> / 76 <sup>1)</sup> |        |
|         | 41 <sup>1)</sup> / 76 <sup>1)</sup> |        |
|         | PA                                  |        |
|         | V0                                  |        |

applied for

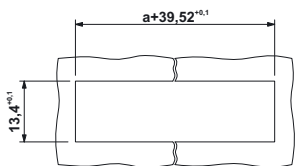
<sup>1)</sup> 41 A with PC 6/... plug, 76 A with PC 16/... plug  
Observe derating curve



# Sheet metal cutout for snap-on

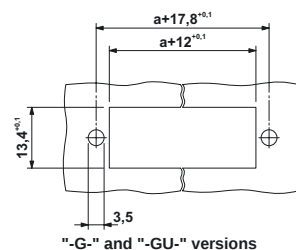


"-G-" and "-GU-" versions

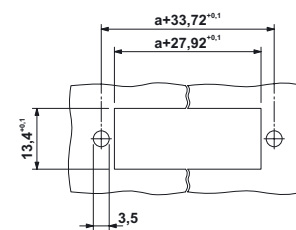


"-GF-" and "-GFU-" versions

# Sheet metal cutout for screw connection

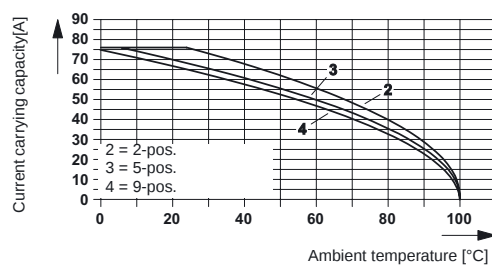


"-G-" and "-GU-" versions



"-GF-" and "-GFU-" versions

Plug: DFK-PC(V) 6-16/...-G(F)(U)-(SH)-10,16  
Header: PC 16/...-ST(F)-(SH)-10,16  
Conductor cross section 16 mm<sup>2</sup>





Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

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