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# POWER COMBICON

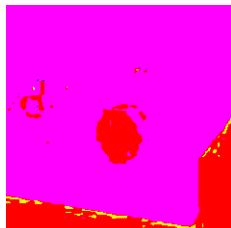
## Feed-through headers with a 10.16 mm Pitch

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

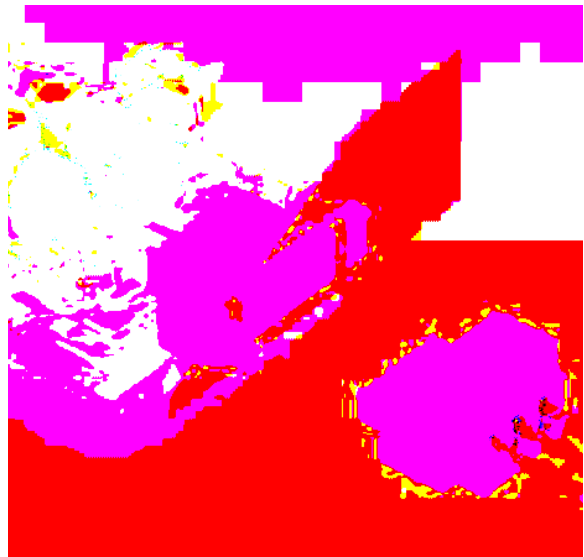
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easy-to-use  
snap-lock mechanism



screw fixing



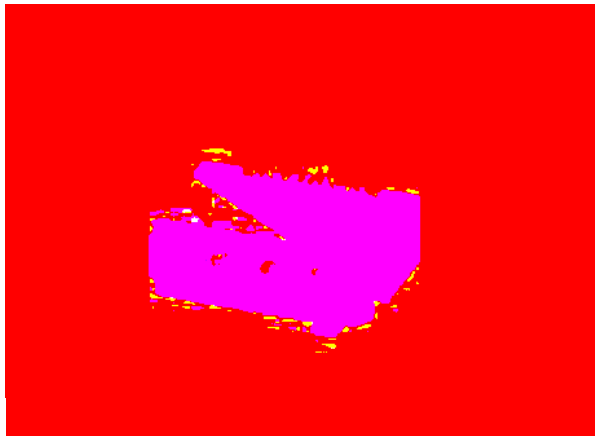
The COMBICON search engine with CAD downloading





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
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| Description   | No. of pos. | Dim. a [mm] |
|---|-------------|-------------|
| <b>POWER COMBICON feed-through headers, pitch 10.16 mm, color: green, 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 |      | see description |                                     |        |
|--|------|-----------------|-------------------------------------|--------|
| Insulating material group                      | —    | 10.16           |                                     |        |
| Surge voltage category / contamination class   | —/—  | 1.7             |                                     |        |
| Rated voltage                                  | [V]  | 0.8 x 1.2       |                                     |        |
| Rated surge voltage                            | [kV] | III / 3         | III / 2                             | II / 2 |
| Nominal current                                | [A]  | 1000            | 1000                                | 1000   |
| Maximum load current                           | [A]  | 8               | 8                                   | 6      |
|  |      |                 | 41 <sup>1)</sup> / 76 <sup>1)</sup> |        |
|  |      |                 | 41 <sup>1)</sup> / 76 <sup>1)</sup> |        |

**Insulating material**

Inflammability class in acc. with UL 94

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

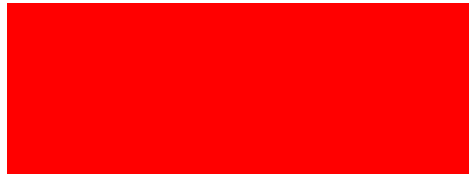
Nominal voltage / current / conductor sizes UL/CUL: [V]/[A]/AWG  
 CSA: [V]/[A]/AWG

| 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            |           |
| 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            |           |
| DFK-PC 6-16/ 9-G-10,16         | 1701524            |           |
| CP-HCC 4                       | 1600027            |           |
| CS-IPC 16/6                    | 1970016            | 50        |
| DFK-PC16-SS                    | 1705449            | 20        |
| SZK PH 1<br>SZS 0,6 x 2,5      | 1205150<br>1205040 | 10<br>10  |
| SK 10/5 (see COMBICON catalog) |                    |           |

| Technical data in accordance with IEC/ DIN VDE |      | see description |                                     |        |
|--|------|-----------------|-------------------------------------|--------|
| Insulating material group                      | —    | 10.16           |                                     |        |
| Surge voltage category / contamination class   | —/—  | 1.7             |                                     |        |
| Rated voltage                                  | [V]  | 0.8 x 1.2       |                                     |        |
| Rated surge voltage                            | [kV] | III / 3         | III / 2                             | II / 2 |
| Nominal current                                | [A]  | 1000            | 1000                                | 1000   |
| Maximum load current                           | [A]  | 8               | 8                                   | 6      |
|  |      |                 | 41 <sup>1)</sup> / 76 <sup>1)</sup> |        |
|  |      |                 | 41 <sup>1)</sup> / 76 <sup>1)</sup> |        |

applied for —


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






| Description   | No. of pos. | Dim. a [mm] |
|---|-------------|-------------|
| <b>POWER COMBICON feed-through headers, pitch 10.16 mm, color: green, plug-in direction parallel to the PCB, with threaded flange and integrated shield connection to the housing of the device</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] 10.16          |
| Hole diameter  | [mm] 1.7            |
| Pin dimensions | [mm]x[mm] 0.8 x 1.2 |

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

|  |   |
|--|---|
| Insulating material group                    | —                                       |
| Surge voltage category / contamination class | —/—                                     |
| Rated voltage                                | [V] 1000                                |
| Rated surge voltage                          | [kV] 8                                  |
| Nominal current                              | [A] 41 <sup>1)</sup> / 76 <sup>1)</sup> |
| Maximum load current                         | [A] 41 <sup>1)</sup> / 76 <sup>1)</sup> |

#### 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   |           |
| 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   |           |
| DFK-PC 6-16/ 9-GF-10,16        | 1701605   |           |
| CP-HCC 4                       | 1600027   |           |
| 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>

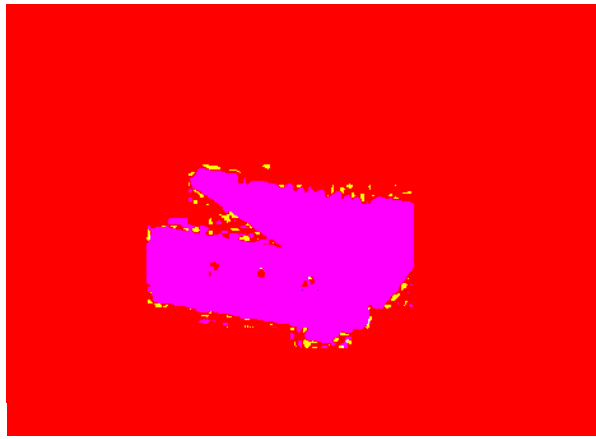
PA

V0

applied for


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






| Description  | No. of pos. | Dim. a [mm] |
|--|-------------|-------------|
| <b>POWER COMBICON feed-through headers, pitch 10.16 mm, color: green, plug-in direction parallel to the PCB, solder-in direction 180° reversed</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] 10.16          |
| Hole diameter  | [mm] 1.7            |
| Pin dimensions | [mm]x[mm] 0.8 x 1.2 |

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

|  |   |
|--|---|
| Insulating material group                    | —                                       |
| Surge voltage category / contamination class | —/—                                     |
| Rated voltage                                | [V] 1000                                |
| Rated surge voltage                          | [kV] 8                                  |
| Nominal current                              | [A] 41 <sup>1)</sup> / 76 <sup>1)</sup> |
| Maximum load current                         | [A] 41 <sup>1)</sup> / 76 <sup>1)</sup> |

#### 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   |           |
| 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   |           |
| DFK-PC 6-16/ 9-GU-10,16        | 1701689   |           |
| CP-HCC 4                       | 1600027   |           |
| 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>

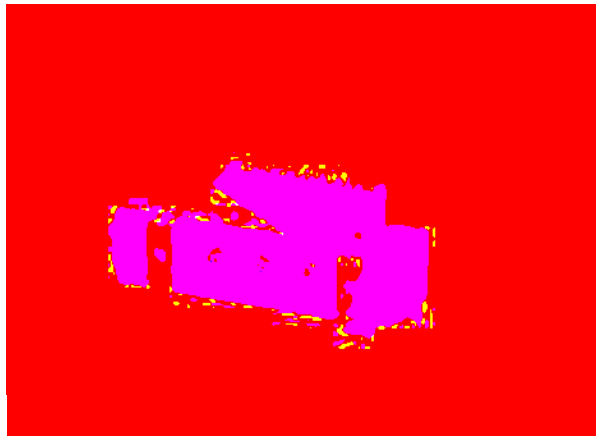
PA

V0

applied for


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






| Description  | No. of pos. | Dim. a [mm] |
|--|-------------|-------------|
| <b>POWER COMBICON feed-through headers, pitch 10.16 mm, color: green,</b>  | 2           | 10.16       |
| 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 | 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

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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]  |

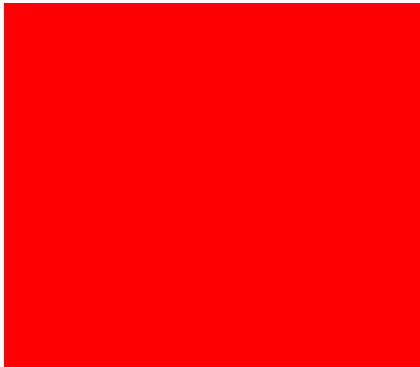
**Insulating material**  
Inflammability class in acc. with UL 94

**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 (see COMBICON catalog)</b> |                |           |

| 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






| Description   | No. of pos. | Dim. a [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. |
|---------------------------------------|----------------|-----------|
| <b>DFK-PC 6-16/2-GF-SH-10,16</b>      | <b>1701935</b> | 50        |
| <b>DFK-PC 6-16/3-GF-SH-10,16</b>      | <b>1701948</b> |           |
| <b>DFK-PC 6-16/4-GF-SH-10,16</b>      | <b>1701951</b> |           |
| <b>DFK-PC 6-16/5-GF-SH-10,16</b>      | <b>1701964</b> |           |
| <b>DFK-PC 6-16/6-GF-SH-10,16</b>      | <b>1701977</b> |           |
| <b>DFK-PC 6-16/7-GF-SH-10,16</b>      | <b>1701980</b> |           |
| <b>DFK-PC 6-16/8-GF-SH-10,16</b>      | <b>1701993</b> |           |
| <b>DFK-PC 6-16/9-GF-SH-10,16</b>      | <b>1702002</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>

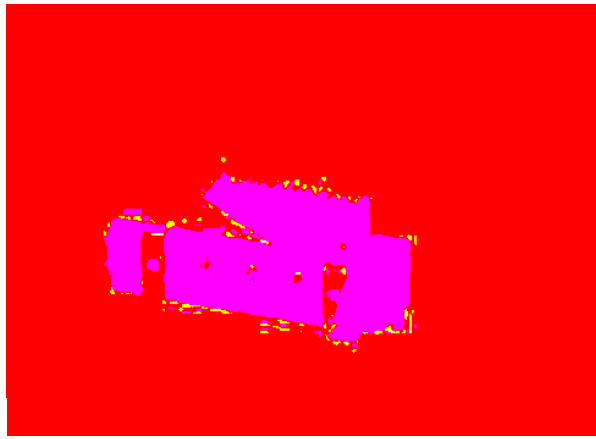
PA

V0



applied for

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






| Description  | No. of pos. | Dim. a [mm] |
|--|-------------|-------------|
| <b>POWER COMBICON feed-through headers, pitch 10.16 mm, color: green, solder-in direction 180° reversed, 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       |

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 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] 10.16          |
| Hole diameter  | [mm] 1.7            |
| Pin dimensions | [mm]x[mm] 0.8 x 1.2 |

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

|  |   |
|--|---|
| Insulating material group                    | —                                       |
| Surge voltage category / contamination class | —/—                                     |
| Rated voltage                                | [V] 1000                                |
| Rated surge voltage                          | [kV] 8                                  |
| Nominal current                              | [A] 41 <sup>1)</sup> / 76 <sup>1)</sup> |
| Maximum load current                         | [A] 41 <sup>1)</sup> / 76 <sup>1)</sup> |

#### 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<br>CSA: [V]/[A]/AWG |
|---|---|

| Type                                  | Order No.      | Pcs./Pkt. |
|---------------------------------------|----------------|-----------|
| <b>DFK-PC 6-16/2-GFU-SH-10,16</b>     | <b>1702015</b> | 50        |
| <b>DFK-PC 6-16/3-GFU-SH-10,16</b>     | <b>1702028</b> |           |
| <b>DFK-PC 6-16/4-GFU-SH-10,16</b>     | <b>1702031</b> |           |
| <b>DFK-PC 6-16/5-GFU-SH-10,16</b>     | <b>1702044</b> |           |
| <b>DFK-PC 6-16/6-GFU-SH-10,16</b>     | <b>1702057</b> |           |
| <b>DFK-PC 6-16/7-GFU-SH-10,16</b>     | <b>1702060</b> |           |
| <b>DFK-PC 6-16/8-GFU-SH-10,16</b>     | <b>1702073</b> |           |
| <b>DFK-PC 6-16/9-GFU-SH-10,16</b>     | <b>1702086</b> |           |
| <b>CP-HCC 4</b>                       | <b>1600027</b> |           |
| <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

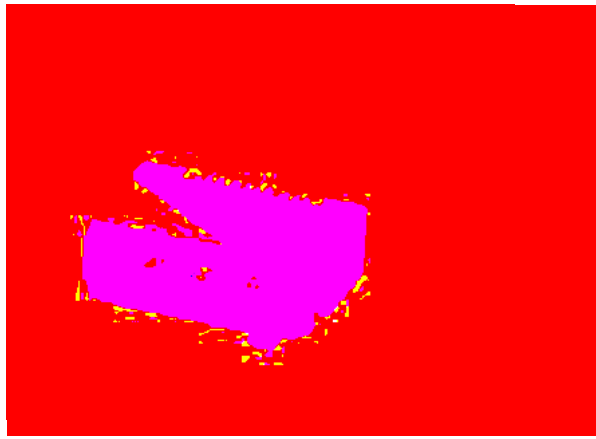
V0

applied for

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









| 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     |           | see description |
| Pitch          | [mm]      | 10.16           |
| Hole diameter  | [mm]      | 1.7             |
| Pin dimensions | [mm]x[mm] | 0.8 x 1.2       |

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

|  |      |         |                                     |        |
|--|------|---------|-------------------------------------|--------|
| Insulating material group                    | —    | I       |                                     |        |
| Surge voltage category / contamination class | —/—  | III / 3 | III / 2                             | II / 2 |
| Rated voltage                                | [V]  | 1000    | 1000                                | 1000   |
| Rated surge voltage                          | [kV] | 8       | 8                                   | 6      |
| Nominal current                              | [A]  |         | 41 <sup>1)</sup> / 76 <sup>1)</sup> |        |
| Maximum load current                         | [A]  |         | 41 <sup>1)</sup> / 76 <sup>1)</sup> |        |

#### Insulating material

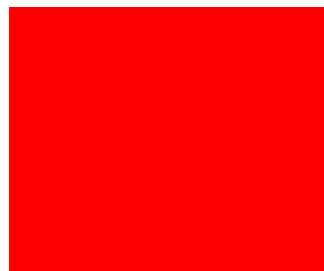
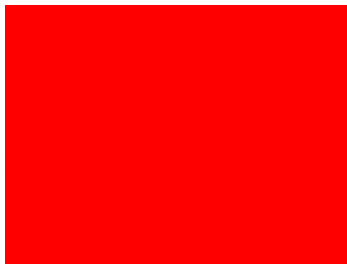
Inflammability class in acc. with UL 94

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

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

| Type                                  | Order No.      | Pcs./Pkt. |
|---------------------------------------|----------------|-----------|
| <b>DFK-PCV 6-16/ 2-G-10,16</b>        | <b>1702099</b> | 50        |
| <b>DFK-PCV 6-16/ 3-G-10,16</b>        | <b>1702109</b> |           |
| <b>DFK-PCV 6-16/ 4-G-10,16</b>        | <b>1702112</b> |           |
| <b>DFK-PCV 6-16/ 5-G-10,16</b>        | <b>1702125</b> |           |
| <b>DFK-PCV 6-16/ 6-G-10,16</b>        | <b>1702138</b> |           |
| <b>DFK-PCV 6-16/ 7-G-10,16</b>        | <b>1702141</b> |           |
| <b>DFK-PCV 6-16/ 8-G-10,16</b>        | <b>1702154</b> |           |
| <b>DFK-PCV 6-16/ 9-G-10,16</b>        | <b>1702167</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) |                |           |


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






| 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, with threaded flange and integrated shield connection to the housing of the device</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       |

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

**Technical data**

|                |           |                 |
|----------------|-----------|-----------------|
| Dimensions     |           | see description |
| Pitch          | [mm]      | 10.16           |
| Hole diameter  | [mm]      | 1.7             |
| Pin dimensions | [mm]x[mm] | 0.8 x 1.2       |

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

|  |      |         |                                     |
|--|------|---------|-------------------------------------|
| Insulating material group                    | —    | I       | II / 2                              |
| Surge voltage category / contamination class | —/—  | III / 3 | III / 2                             |
| Rated voltage                                | [V]  | 1000    | 1000                                |
| Rated surge voltage                          | [kV] | 8       | 8                                   |
| Nominal current                              | [A]  |         | 41 <sup>1)</sup> / 76 <sup>1)</sup> |
| Maximum load current                         | [A]  |         | 41 <sup>1)</sup> / 76 <sup>1)</sup> |

**Insulating material**

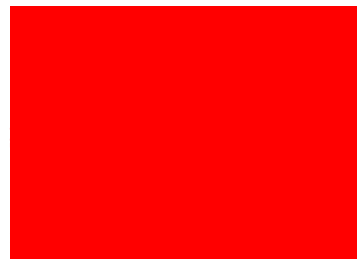
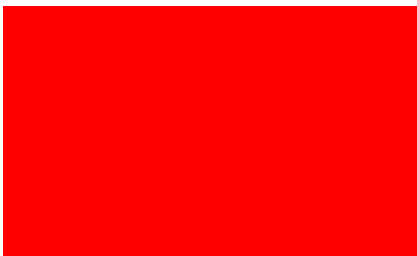
Inflammability class in acc. with UL 94

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

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

<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>

Current carrying capacity [A]



Ambient temperature [°C]