

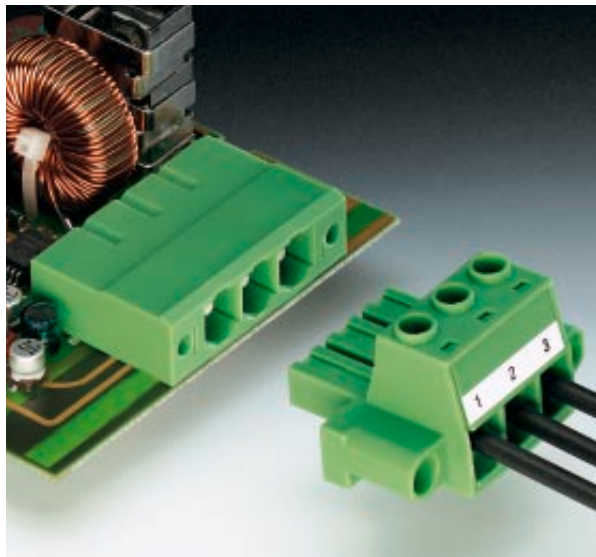
## POWER COMBICON Plugs and Headers PC 6/... for Currents up to 41 A, 10.16 mm Pitch

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The PC 6 plug connector features highly conductive metal alloys to offer a current carrying capacity of 41 A at a rated voltage of 1000 V. A double steel spring on the female side offers additional contact reliability especially in the case of extreme fluctuations of power or temperature.

The plugs are also available with a screw flange for vibration-proof connection to the headers, with 2 to 8 positions.

The plugs and headers are coded with the CP-HCC 4. coding profile. The self-adhesive marker cards SK 10/5 are used for labeling (see COMBICON catalog).



# PC 6/...-ST-10,16

## 10.16 mm Pitch

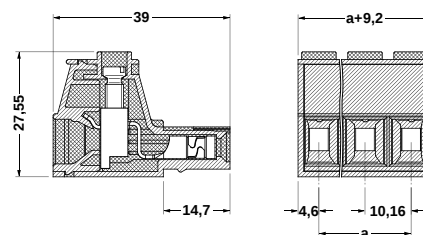


### Note:

COMBICON plug connectors may only be actuated in the no-load condition. If smaller loads need to be switched for operational reasons, experimental values are available on request.

| Description                                                                                                   | No. of positions                        | Dim.<br>a<br>[mm]                         |
|---------------------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------------------|
| <b>POWER COMBICON plugs,</b><br>10.16 mm pitch, color: green                                                  | 2                                       | 10.16                                     |
|                                                                                                               | 3                                       | 20.32                                     |
|                                                                                                               | 4                                       | 30.48                                     |
|                                                                                                               | 5                                       | 40.64                                     |
|                                                                                                               | 6                                       | 50.80                                     |
|                                                                                                               | 7                                       | 60.96                                     |
|                                                                                                               | 8                                       | 71.12                                     |
| (1) <b>Coding profile</b> , is inserted into the recess on the plug and header, insulating material: red      |                                         |                                           |
| (2) <b>Marker card</b> , with 10 pcs. 10-section marker strips, white, self-adhesive, for 100 terminal blocks |                                         |                                           |
| (3) <b>Screwdriver</b> , blade: 1.0 x 4.0 x 100 mm, length: 200 mm                                            |                                         |                                           |
| <b>Technical data</b>                                                                                         |                                         |                                           |
| Dimensions                                                                                                    |                                         |                                           |
| Pitch                                                                                                         |                                         | [mm]                                      |
| Hole diameter                                                                                                 |                                         | [mm]                                      |
| Pin dimensions                                                                                                |                                         | [mm]x[mm]                                 |
| <b>Technical data in accordance with IEC/ DIN VDE</b>                                                         |                                         |                                           |
| Insulating material group                                                                                     |                                         | —                                         |
| Surge voltage category / contamination class                                                                  |                                         | —/—                                       |
| Rated voltage                                                                                                 |                                         | [V]                                       |
| Rated surge voltage                                                                                           |                                         | [kV]                                      |
| Nominal current / cross section                                                                               |                                         | [A]/[mm <sup>2</sup> ]                    |
| Maximum load current / cross section                                                                          |                                         | [A]/[mm <sup>2</sup> ]                    |
| <b>Connection capacity</b>                                                                                    |                                         |                                           |
| Solid / stranded / conductor sizes                                                                            |                                         | [mm <sup>2</sup> ]/[mm <sup>2</sup> ]/AWG |
| Stranded with ferrule without / with plastic sleeve                                                           |                                         | [mm <sup>2</sup> ]                        |
| <b>Multiple connection (2 conductors with same cross section)</b>                                             |                                         |                                           |
| Solid / stranded                                                                                              |                                         | [mm <sup>2</sup> ]                        |
| Stranded with ferrule with plastic sleeve                                                                     |                                         | [mm <sup>2</sup> ]                        |
| Stranded with TWIN ferrule with plastic sleeve                                                                |                                         | [mm <sup>2</sup> ]                        |
| <b>Stripping length</b>                                                                                       |                                         | [mm]                                      |
| <b>Internal cylindrical gauge (IEC 60 947-1)</b>                                                              |                                         |                                           |
| <b>Thread</b>                                                                                                 |                                         |                                           |
| <b>Torque</b>                                                                                                 |                                         | [Nm]                                      |
| <b>Insulating material</b>                                                                                    |                                         |                                           |
| Inflammability class in acc. with UL 94                                                                       |                                         |                                           |
| <b>Approval data (UL/CUL and CSA)</b>                                                                         |                                         |                                           |
| Nominal voltage / current / conductor sizes                                                                   | UL/CUL: [V]/[A]/AWG<br>CSA: [V]/[A]/AWG |                                           |

| Type                            | Order No.  | Pcs./Pkt. |
|---------------------------------|------------|-----------|
| PC 6/2-ST-10,16                 | 19 13 50 7 | 50        |
| PC 6/3-ST-10,16                 | 19 13 51 0 |           |
| PC 6/4-ST-10,16                 | 19 13 52 3 |           |
| PC 6/5-ST-10,16                 | 19 13 53 6 |           |
| PC 6/6-ST-10,16                 | 19 13 54 9 |           |
| PC 6/7-ST-10,16                 | 19 13 55 2 |           |
| PC 6/8-ST-10,16                 | 19 13 56 5 | 100       |
| CP-HCC 4                        | 16 00 02 7 |           |
| SK 10/5 (see COMBICON catalog)  |            |           |
| SZS 1,0 x 4,0                   | 12 05 06 6 | 10        |
| see description                 |            |           |
| 10.16                           |            |           |
| —                               |            |           |
| —                               |            |           |
| I                               |            |           |
| III / 3                         | III / 2    | II / 2    |
| 1000                            | 1000       | 1000      |
| 8                               | 8          | 8         |
| 41 / 6.0                        |            |           |
| 41 / 6.0                        |            |           |
| 0.5 - 10.0 / 0.5 - 6.0 / 20 - 7 |            |           |
| 0.5 - 6.0 / 0.5 - 6.0           |            |           |
| 0.5 - 6.0 / 0.5 - 6.0           |            |           |
| 0.5 - 2.5                       |            |           |
| 0.5 - 4.0                       |            |           |
| 12                              |            |           |
| A 5                             |            |           |
| M 4                             |            |           |
| 1.2 - 1.5                       |            |           |
| PA                              |            |           |
| V0                              |            |           |
| 600 / 41 / 20 - 8               |            |           |
| —                               |            |           |



# PC 6/...-STF-10,16 with Screw Flange 10.16 mm Pitch

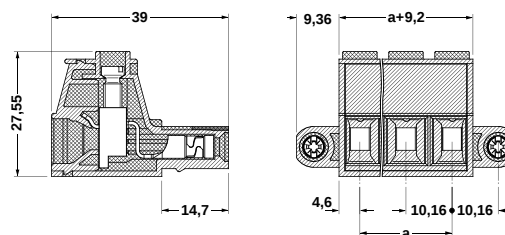


## HNote:

COMBICON plug connectors may only be actuated in the no-load condition. If smaller loads need to be switched for operational reasons, experimental values are available on request.

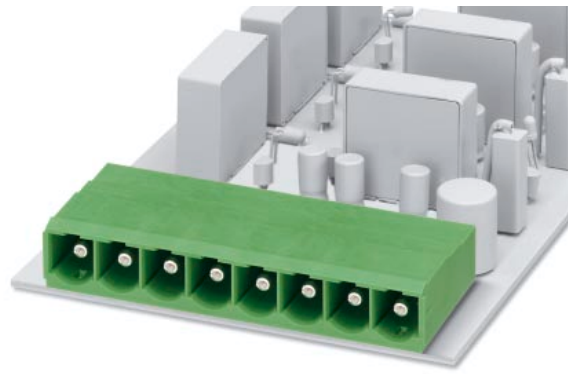
| Description                                                                                                   | No. of positions    | Dim.<br>a<br>[mm]                         |
|---------------------------------------------------------------------------------------------------------------|---------------------|-------------------------------------------|
| <b>POWER COMBICON plugs,</b><br>10.16 mm pitch, color: green,<br>with screw flange                            | 2                   | 10.16                                     |
|                                                                                                               | 3                   | 20.32                                     |
|                                                                                                               | 4                   | 30.48                                     |
|                                                                                                               | 5                   | 40.64                                     |
|                                                                                                               | 6                   | 50.80                                     |
|                                                                                                               | 7                   | 60.96                                     |
|                                                                                                               | 8                   | 71.12                                     |
| (1) <b>Coding profile</b> , is inserted into the recess on the plug and header, insulating material: red      |                     |                                           |
| (2) <b>Marker card</b> , with 10 pcs. 10-section marker strips, white, self-adhesive, for 100 terminal blocks |                     |                                           |
| (3) <b>Screwdriver</b> , blade: 1.0 x 4.0 x 100 mm, length: 200 mm                                            |                     |                                           |
| <b>Technical data</b>                                                                                         |                     |                                           |
| Dimensions                                                                                                    |                     |                                           |
| Pitch                                                                                                         |                     | [mm]                                      |
| Hole diameter                                                                                                 |                     | [mm]                                      |
| Pin dimensions                                                                                                |                     | [mm]x[mm]                                 |
| <b>Technical data in accordance with IEC/ DIN VDE</b>                                                         |                     |                                           |
| Insulating material group                                                                                     |                     | —                                         |
| Surge voltage category / contamination class                                                                  |                     | —/—                                       |
| Rated voltage                                                                                                 |                     | [V]                                       |
| Rated surge voltage                                                                                           |                     | [kV]                                      |
| Nominal current / cross section                                                                               |                     | [A]/[mm <sup>2</sup> ]                    |
| Maximum load current / cross section                                                                          |                     | [A]/[mm <sup>2</sup> ]                    |
| <b>Connection capacity</b>                                                                                    |                     |                                           |
| Solid / stranded / conductor sizes                                                                            |                     | [mm <sup>2</sup> ]/[mm <sup>2</sup> ]/AWG |
| Stranded with ferrule without / with plastic sleeve                                                           |                     | [mm <sup>2</sup> ]                        |
| <b>Multiple connection (2 conductors with same cross section)</b>                                             |                     |                                           |
| Solid / stranded                                                                                              |                     | [mm <sup>2</sup> ]                        |
| Stranded with ferrule with plastic sleeve                                                                     |                     | [mm <sup>2</sup> ]                        |
| Stranded with TWIN ferrule with plastic sleeve                                                                |                     | [mm <sup>2</sup> ]                        |
| <b>Stripping length</b>                                                                                       |                     | [mm]                                      |
| <b>Internal cylindrical gauge (IEC 60 947-1)</b>                                                              |                     |                                           |
| <b>Thread</b>                                                                                                 |                     |                                           |
| <b>Torque</b>                                                                                                 |                     | [Nm]                                      |
| <b>Insulating material</b>                                                                                    |                     |                                           |
| Inflammability class in acc. with UL 94                                                                       |                     |                                           |
| <b>Approval data (UL/CUL and CSA)</b>                                                                         |                     |                                           |
| Nominal voltage / current / conductor sizes                                                                   | UL/CUL: [V]/[A]/AWG |                                           |
|                                                                                                               | CSA: [V]/[A]/AWG    |                                           |

| Type                            | Order No.  | Pcs./Pkt. |
|---------------------------------|------------|-----------|
| PC 6/2-STF-10,16                | 19 13 57 8 | 50        |
| PC 6/3-STF-10,16                | 19 13 58 1 |           |
| PC 6/4-STF-10,16                | 19 13 59 4 |           |
| PC 6/5-STF-10,16                | 19 13 60 4 |           |
| PC 6/6-STF-10,16                | 19 13 61 7 | 50        |
| PC 6/7-STF-10,16                | 19 13 62 0 |           |
| PC 6/8-STF-10,16                | 19 13 63 3 |           |
| CP-HCC 4                        | 16 00 02 7 | 100       |
| SK 10/5 (see COMBICON catalog)  |            |           |
| SZS 1,0 x 4,0                   | 12 05 06 6 | 10        |
| see description                 |            |           |
| 10.16                           |            |           |
| —                               |            |           |
| —                               |            |           |
| III / 3                         |            |           |
| 1000                            |            |           |
| 8                               |            |           |
| I                               |            |           |
| III / 2                         |            |           |
| 1000                            |            |           |
| 8                               |            |           |
| II / 2                          |            |           |
| 1000                            |            |           |
| 8                               |            |           |
| 41 / 6.0                        |            |           |
| 41 / 6.0                        |            |           |
| 0.5 - 10.0 / 0.5 - 6.0 / 20 - 7 |            |           |
| 0.5 - 6.0 / 0.5 - 6.0           |            |           |
| 0.5 - 6.0 / 0.5 - 6.0           |            |           |
| 0.5 - 2.5                       |            |           |
| 0.5 - 4.0                       |            |           |
| 12                              |            |           |
| A 5                             |            |           |
| M 4                             |            |           |
| 1.2 - 1.5                       |            |           |
| PA                              |            |           |
| V0                              |            |           |
| 600 / 41 / 20 - 8               |            |           |
| —                               |            |           |



# PC 6/...-G-10,16

## 10.16 mm Pitch



### Note:

COMBICON plug connectors may only be actuated in the no-load condition. If smaller loads need to be switched for operational reasons, experimental values are available on request.

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

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



(2) **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 / cross section              | [A]/[mm²] |
| Maximum load current / cross section         | [A]/[mm²] |

### Connection capacity

|                                                     |                 |
|-----------------------------------------------------|-----------------|
| Solid / stranded / conductor sizes                  | [mm²]/[mm²]/AWG |
| Stranded with ferrule without / with plastic sleeve | [mm²]           |

### Multiple connection (2 conductors with same cross section)

|                                                |       |
|------------------------------------------------|-------|
| Solid / stranded                               | [mm²] |
| Stranded with ferrule with plastic sleeve      | [mm²] |
| Stranded with TWIN ferrule with plastic sleeve | [mm²] |

**Stripping length** [mm]

**Internal cylindrical gauge (IEC 60 947-1)**

**Thread**

**Torque** [Nm]

**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 |
|---------------------------------------------|-----------------------------------------|

<sup>1)</sup> 1000 V on printed circuit board.

| Type                           | Order No.  | Pcs./Pkt. |
|--------------------------------|------------|-----------|
| PC 6/2-G-10,16                 | 19 13 64 6 | 50        |
| PC 6/3-G-10,16                 | 19 13 65 9 |           |
| PC 6/4-G-10,16                 | 19 13 66 2 |           |
| PC 6/5-G-10,16                 | 19 13 67 5 |           |
| PC 6/6-G-10,16                 | 19 13 68 8 | 100       |
| PC 6/7-G-10,16                 | 19 13 69 1 |           |
| PC 6/8-G-10,16                 | 19 13 70 1 |           |
| CP-HCC 4                       | 16 00 02 7 | 100       |
| SK 10/5 (see COMBICON catalog) |            |           |

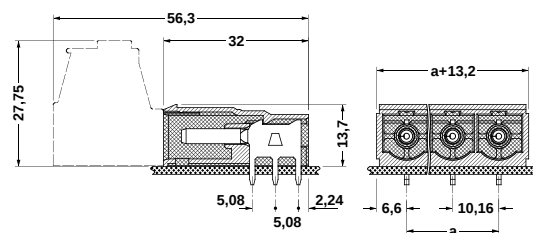
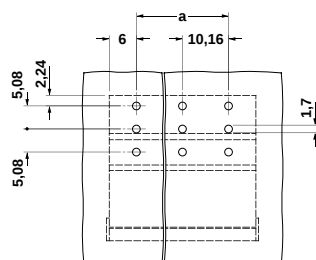
see description

10.16

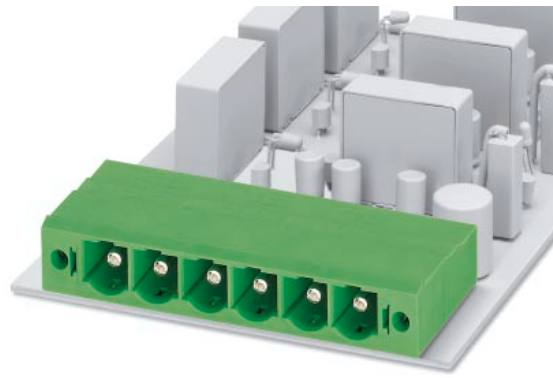
1.7

1.0 x 1.2

|                   |         |        |
|-------------------|---------|--------|
|                   | I       |        |
| III / 3           | III / 2 | II / 2 |
| 630 <sup>1)</sup> | 1000    | 1000   |
| 6                 | 8       | 8      |
|                   | 41 / –  |        |
|                   | 41 / –  |        |



# PC 6/...-GF-10,16 with Threaded Flange 10.16 mm Pitch



## Note:

COMBICON plug connectors may only be actuated in the no-load condition. If smaller loads need to be switched for operational reasons, experimental values are available on request.

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

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



(2) **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 / cross section              | [A]/[mm²] |
| Maximum load current / cross section         | [A]/[mm²] |

## Connection capacity

|                                                     |                 |
|-----------------------------------------------------|-----------------|
| Solid / stranded / conductor sizes                  | [mm²]/[mm²]/AWG |
| Stranded with ferrule without / with plastic sleeve | [mm²]           |

## Multiple connection (2 conductors with same cross section)

|                                                |       |
|------------------------------------------------|-------|
| Solid / stranded                               | [mm²] |
| Stranded with ferrule with plastic sleeve      | [mm²] |
| Stranded with TWIN ferrule with plastic sleeve | [mm²] |

**Stripping length** [mm]

**Internal cylindrical gauge (IEC 60 947-1)**

**Thread**

**Torque** [Nm]

**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

<sup>1)</sup> 1000 V on printed circuit board.

| Type                           | Order No.  | Pcs./Pkt. |
|--------------------------------|------------|-----------|
| PC 6/2-GF-10,16                | 19 13 71 4 | 50        |
| PC 6/3-GF-10,16                | 19 13 72 7 |           |
| PC 6/4-GF-10,16                | 19 13 73 0 |           |
| PC 6/5-GF-10,16                | 19 13 74 3 | 50        |
| PC 6/6-GF-10,16                | 19 13 75 6 |           |
| PC 6/7-GF-10,16                | 19 13 76 9 |           |
| PC 6/8-GF-10,16                | 19 13 77 2 | 100       |
| CP-HCC 4                       | 16 00 02 7 |           |
| SK 10/5 (see COMBICON catalog) |            |           |

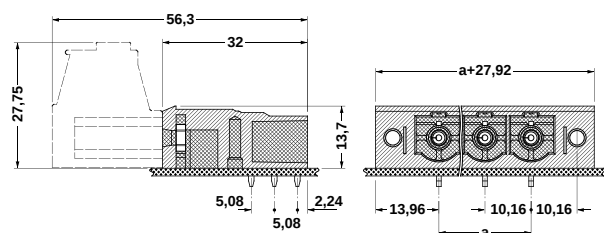
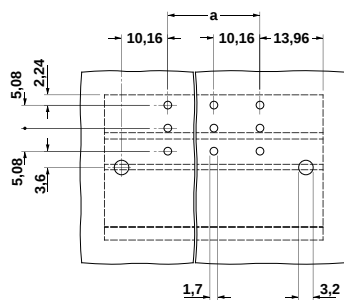
see description

10.16

1.7

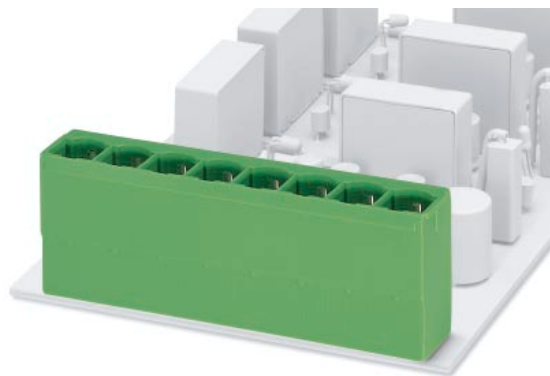
1.0 x 1.2

|                   |         |        |
|-------------------|---------|--------|
|                   | I       |        |
| III / 3           | III / 2 | II / 2 |
| 630 <sup>1)</sup> | 1000    | 1000   |
| 6                 | 8       | 8      |
|                   | 41 / –  |        |
|                   | 41 / –  |        |



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

## 10.16 mm Pitch



### Note:

COMBICON plug connectors may only be actuated in the no-load condition. If smaller loads need to be switched for operational reasons, experimental values are available on request.

| Description                                                                                               | No. of positions | Dim.<br>a<br>[mm] |
|-----------------------------------------------------------------------------------------------------------|------------------|-------------------|
| <b>POWER COMBICON headers,</b><br>10.16 mm pitch, color: green,<br>plug-in direction vertical 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 recess on the plug and header, insulating material: red



(2) **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 / cross section              | [A]/[mm²] |
| Maximum load current / cross section         | [A]/[mm²] |

### Connection capacity

|                                                     |                 |
|-----------------------------------------------------|-----------------|
| Solid / stranded / conductor sizes                  | [mm²]/[mm²]/AWG |
| Stranded with ferrule without / with plastic sleeve | [mm²]           |

### Multiple connection (2 conductors with same cross section)

|                                                |       |
|------------------------------------------------|-------|
| Solid / stranded                               | [mm²] |
| Stranded with ferrule with plastic sleeve      | [mm²] |
| Stranded with TWIN ferrule with plastic sleeve | [mm²] |

**Stripping length** [mm]

### Internal cylindrical gauge (IEC 60 947-1)

**Thread**

**Torque** [Nm]

### 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

<sup>1)</sup> 1000 V on printed circuit board.

| Type                           | Order No.  | Pcs./Pkt. |
|--------------------------------|------------|-----------|
| PCV 6/2-G-10,16                | 19 22 48 8 | 50        |
| PCV 6/3-G-10,16                | 19 22 49 1 |           |
| PCV 6/4-G-10,16                | 19 22 50 1 |           |
| PCV 6/5-G-10,16                | 19 22 51 4 | 50        |
| PCV 6/6-G-10,16                | 19 22 52 7 |           |
| PCV 6/7-G-10,16                | 19 22 53 0 |           |
| PCV 6/8-G-10,16                | 19 22 54 3 | 50        |
| PCV 6/9-G-10,16                | 19 22 55 6 |           |
| CP-HCC 4                       | 16 00 02 7 | 100       |
| SK 10/5 (see COMBICON catalog) |            |           |

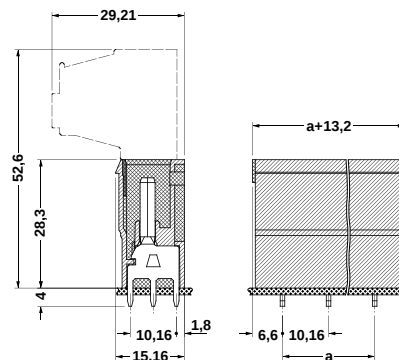
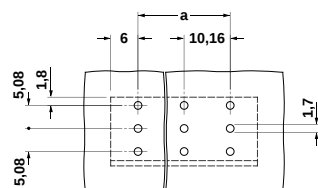
see description

10.16

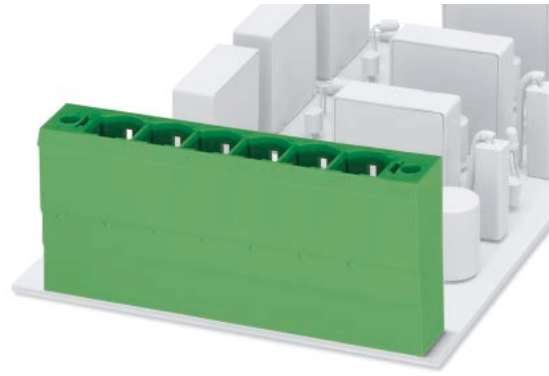
1.7

1.0 x 1.2

|                   |         |        |
|-------------------|---------|--------|
|                   | I       |        |
| III / 3           | III / 2 | II / 2 |
| 630 <sup>1)</sup> | 1000    | 1000   |
| 6                 | 8       | 8      |
|                   | 41 / —  |        |
|                   | 41 / —  |        |



# PCV 6/...-GF-10,16 with Threaded Flange 10.16 mm Pitch



## Note:

COMBICON plug connectors may only be actuated in the no-load condition. If smaller loads need to be switched for operational reasons, experimental values are available on request.

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

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



(2) **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 / cross section              | [A]/[mm²] |
| Maximum load current / cross section         | [A]/[mm²] |

## Connection capacity

|                                                     |                 |
|-----------------------------------------------------|-----------------|
| Solid / stranded / conductor sizes                  | [mm²]/[mm²]/AWG |
| Stranded with ferrule without / with plastic sleeve | [mm²]           |

## Multiple connection (2 conductors with same cross section)

|                                                |       |
|------------------------------------------------|-------|
| Solid / stranded                               | [mm²] |
| Stranded with ferrule with plastic sleeve      | [mm²] |
| Stranded with TWIN ferrule with plastic sleeve | [mm²] |

## Stripping length

## Internal cylindrical gauge (IEC 60 947-1)

## Thread

## Torque

## 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. |
|------------------|------------|-----------|
| PCV 6/2-GF-10,16 | 19 22 56 9 | 50        |
| PCV 6/3-GF-10,16 | 19 22 57 2 |           |
| PCV 6/4-GF-10,16 | 19 22 58 5 |           |
| PCV 6/5-GF-10,16 | 19 22 59 8 |           |
| PCV 6/6-GF-10,16 | 19 22 60 8 |           |
| PCV 6/7-GF-10,16 | 19 22 61 1 |           |
| PCV 6/8-GF-10,16 | 19 22 62 4 |           |

|          |            |     |
|----------|------------|-----|
| CP-HCC 4 | 16 00 02 7 | 100 |
|----------|------------|-----|

SK 10/5 (see COMBICON catalog )

see description

10.16

1.7

1.0 x 1.2

|                   |         |        |
|-------------------|---------|--------|
|                   | I       |        |
| III / 3           | III / 2 | II / 2 |
| 630 <sup>1)</sup> | 1000    | 1000   |
| 6                 | 8       | 8      |
|                   | 41 / –  |        |
|                   | 41 / –  |        |

|  |   |
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|  | – |
|  | – |

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|  | – |
|--|---|

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|  | – |
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|  |   |
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|  | – |
|--|---|

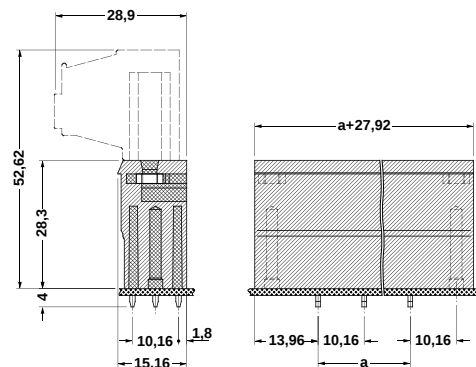
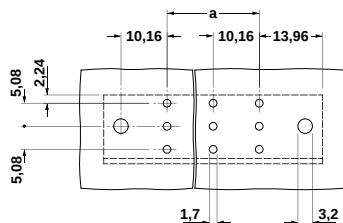
|  |    |
|--|----|
|  | PA |
|--|----|

|  |    |
|--|----|
|  | V0 |
|--|----|

|  |              |
|--|--------------|
|  | 300 / 41 / – |
|--|--------------|

|  |   |
|--|---|
|  | – |
|--|---|

<sup>1)</sup> 1000 V on printed circuit board.



## POWER COMBICON Plug-In Block for Direct Mounting, 10.16 mm Pitch

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All electronic components are pluggable and easy to maintain. The plug is not connected to the PCB, however, but vice versa.

Plug-in blocks PCU 6/...-STD-10,16 with a screw connection and vertical plug-in direction have a base plate with two mounting ears for screwing onto mounting plates or into component housings. They are available with 2 to 9 positions and a 10.16 mm pitch.

The self-adhesive marker cards SK 10/5 are used for labeling (see COMBICON catalog)



# PCU 6/...-STD-10,16

## 10.16 mm Pitch



### Note:

COMBICON plug connectors may only be actuated in the no-load condition. If smaller loads need to be switched for operational reasons, experimental values are available on request.

| Description                                                          | No. of positions | Dim.<br>a<br>[mm] |
|----------------------------------------------------------------------|------------------|-------------------|
| <b>POWER COMBICON plug-in block,</b><br>10.16 mm pitch, color: green | 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 recess on the plug and header, insulating material: red



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

(3) **Screwdriver**, blade: 1.0 x 4.0 x 100 mm, length: 200 mm



### 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 / cross section              | [A]/[mm²] |
| Maximum load current / cross section         | [A]/[mm²] |

### Connection capacity

|                                                     |                 |
|-----------------------------------------------------|-----------------|
| Solid / stranded / conductor sizes                  | [mm²]/[mm²]/AWG |
| Stranded with ferrule without / with plastic sleeve | [mm²]           |

### Multiple connection (2 conductors with same cross section)

|                                                |       |
|------------------------------------------------|-------|
| Solid / stranded                               | [mm²] |
| Stranded with ferrule with plastic sleeve      | [mm²] |
| Stranded with TWIN ferrule with plastic sleeve | [mm²] |

**Stripping length** [mm]

**Internal cylindrical gauge (IEC 60 947-1)**

**Thread**

**Torque** [Nm]

### 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. |
|-------------------|------------|-----------|
| PCU 6/2-STD-10,16 | 19 22 63 7 | 50        |
| PCU 6/3-STD-10,16 | 19 22 64 0 |           |
| PCU 6/4-STD-10,16 | 19 22 65 3 |           |
| PCU 6/5-STD-10,16 | 19 22 66 6 | 50        |
| PCU 6/6-STD-10,16 | 19 22 67 9 |           |
| PCU 6/7-STD-10,16 | 19 22 68 2 |           |
| PCU 6/8-STD-10,16 | 19 22 69 5 | 50        |
| PCU 6/9-STD-10,16 | 19 22 70 5 |           |

CP-HCC 4 16 00 02 7 100

SK 10/5 (see COMBICON catalog)

SZS 1,0 x 4,0 12 05 06 6 10

see description

10.16

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|         |          |          |
|---------|----------|----------|
|         | I        | II / 2   |
| III / 3 | III / 2  | 1000     |
| 1000    | 1000     | 8        |
| 8       | 8        | 41 / 6.0 |
|         | 41 / 6.0 |          |

0.5 - 10.0 / 0.5 - 6.0 / 20 - 7

0.5 - 6.0 / 0.5 - 6.0

0.5 - 6.0 / 0.5 - 6.0

0.5 - 2.5

0.5 - 4.0

12

A 5

M 4

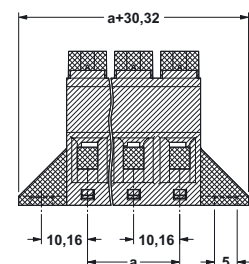
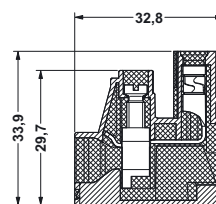
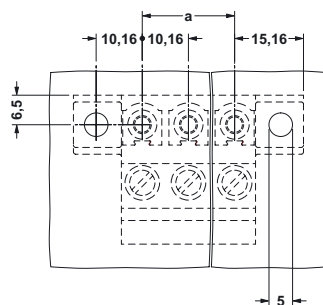
1.2 - 1.5

PA

V0

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