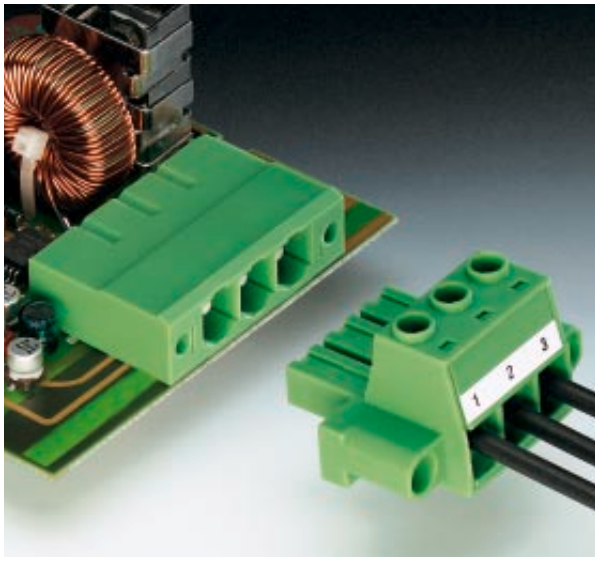
# POWER COMBICON Plugs and Headers PC 6/… for Currents up to 41 A, 10.16 mm Pitch

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).




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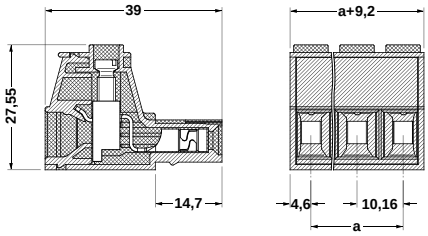
# PC 6/…-ST-10,16
# 10.16 mm Pitch



**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. a [mm] | Type | Order No. | Pcs./Pkt. |
|---|---|---|---|---|---|
| **POWER COMBICON plugs**, 10.16 mm pitch, color: green | 2 | 10.16 | **PC 6/2-ST-10,16** | **19 13 50 7** | 50 |
| | 3 | 20.32 | **PC 6/3-ST-10,16** | **19 13 51 0** | |
| | 4 | 30.48 | **PC 6/4-ST-10,16** | **19 13 52 3** | |
| | 5 | 40.64 | **PC 6/5-ST-10,16** | **19 13 53 6** | |
| | 6 | 50.80 | **PC 6/6-ST-10,16** | **19 13 54 9** | |
| | 7 | 60.96 | **PC 6/7-ST-10,16** | **19 13 55 2** | |
| | 8 | 71.12 | **PC 6/8-ST-10,16** | **19 13 56 5** | |
| (1) **Coding profile,** is inserted into the recess on the plug and header, insulating material: red | |  | **CP-HCC 4** | **16 00 02 7** | 100 |
| (2) **Marker card,** with 10 pcs. 10-section marker strips, white, self-adhesive, for 100 terminal blocks | | | **SK 10/5** (see COMBICON catalog) | | |
| (3) **Screwdriver**, blade: 1.0 x 4.0 x 100 mm, length: 200 mm | |  | **SZS 1,0 x 4,0** | **12 05 06 6** | 10 |

| **Technical data** | | | | | |
|---|---|---|---|---|---|
| Dimensions | | see description | | | |
| Pitch | [mm] | 10.16 | | | |
| Hole diameter | [mm] | – | | | |
| Pin dimensions | [mm]x[mm] | – | | | |
| **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 | 8 | |
| Nominal current / cross section | [A]/[mm²] | 41 / 6.0 | | | |
| Maximum load current / cross section | [A]/[mm²] | 41 / 6.0 | | | |
| **Connection capacity** | | | | | |
| Solid / stranded / conductor sizes | [mm²]/[mm²]/AWG | 0.5 - 10.0 / 0.5 - 6.0 / 20 - 7 | | | |
| Stranded with ferrule without / with plastic sleeve | [mm²] | 0.5 - 6.0 / 0.5 -6.0 | | | |
| **Multiple connection (2 conductors with same cross section)** | | | | | |
| Solid / stranded | [mm²] | 0.5 - 6.0 / 0.5 - 6.0 | | | |
| Stranded with ferrule with plastic sleeve | [mm²] | 0.5 - 2.5 | | | |
| Stranded with TWIN ferrule with plastic sleeve | [mm²] | 0.5 - 4.0 | | | |
| **Stripping length** | [mm] | 12 | | | |
| **Internal cylindrical gauge (IEC 60 947-1)** | | A 5 | | | |
| **Thread** | | M 4 | | | |
| **Torque** | [Nm] | 1.2 - 1.5 | | | |
| **Insulating material** | | PA | | | |
| Inflammability class in acc. with UL 94 | | V0 | | | |
| **Approval data (UL/CUL and CSA)** | | | | | |
| Nominal voltage / current / conductor sizes | UL/CUL:[V]/[A]/AWG | 600 / 41 / 20 - 8 | | | |
| | CSA:[V]/[A]/AWG | – | | | |



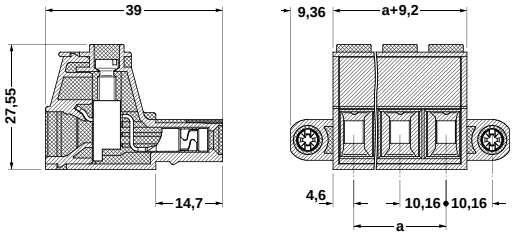
# PC 6/…-STF-10,16 with Screw Flange 10.16 mm Pitch



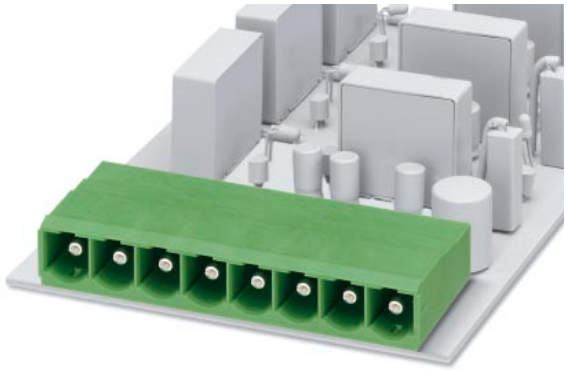
**HNote:**
COMBICON plug connectors may only be actuated in the no-load condition. If smaller loads need to be switched for operational reasons, experimental values are available on request.

| Description | No. of positions | Dim. a [mm] | Type | Order No. | Pcs./Pkt. |
|---|---|---|---|---|---|
| **POWER COMBICON plugs**, 10.16 mm pitch, color: green, with screw flange | 2 | 10.16 | **PC 6/2-STF-10,16** | **19 13 57 8** | 50 |
| | 3 | 20.32 | **PC 6/3-STF-10,16** | **19 13 58 1** | |
| | 4 | 30.48 | **PC 6/4-STF-10,16** | **19 13 59 4** | |
| | 5 | 40.64 | **PC 6/5-STF-10,16** | **19 13 60 4** | |
| | 6 | 50.80 | **PC 6/6-STF-10,16** | **19 13 61 7** | |
| | 7 | 60.96 | **PC 6/7-STF-10,16** | **19 13 62 0** | |
| | 8 | 71.12 | **PC 6/8-STF-10,16** | **19 13 63 3** | |
| (1) **Coding profile,** is inserted into the recess on the plug and header, insulating material: red | |  | **CP-HCC 4** | **16 00 02 7** | 100 |
| (2) **Marker card,** with 10 pcs. 10-section marker strips, white, self-adhesive, for 100 terminal blocks | | | **SK 10/5** (see COMBICON catalog) | | |
| (3) **Screwdriver**, blade: 1.0 x 4.0 x 100 mm, length: 200 mm | |  | **SZS 1,0 x 4,0** | **12 05 06 6** | 10 |

| **Technical data** | | | | | |
|---|---|---|---|---|---|
| Dimensions | | see description | | | |
| Pitch | [mm] | 10.16 | | | |
| Hole diameter | [mm] | – | | | |
| Pin dimensions | [mm]x[mm] | – | | | |
| **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 | 8 | |
| Nominal current / cross section | [A]/[mm²] | 41 / 6.0 | | | |
| Maximum load current / cross section | [A]/[mm²] | 41 / 6.0 | | | |
| **Connection capacity** | | | | | |
| Solid / stranded / conductor sizes | [mm²]/[mm²]/AWG | 0.5 - 10.0 / 0.5 - 6.0 / 20 - 7 | | | |
| Stranded with ferrule without / with plastic sleeve | [mm²] | 0.5 - 6.0 / 0.5 -6.0 | | | |
| **Multiple connection (2 conductors with same cross section)** | | | | | |
| Solid / stranded | [mm²] | 0.5 - 6.0 / 0.5 - 6.0 | | | |
| Stranded with ferrule with plastic sleeve | [mm²] | 0.5 - 2.5 | | | |
| Stranded with TWIN ferrule with plastic sleeve | [mm²] | 0.5 - 4.0 | | | |
| **Stripping length** | [mm] | 12 | | | |
| **Internal cylindrical gauge (IEC 60 947-1)** | | A 5 | | | |
| **Thread** | | M 4 | | | |
| **Torque** | [Nm] | 1.2 - 1.5 | | | |
| **Insulating material** | | PA | | | |
| Inflammability class in acc. with UL 94 | | V0 | | | |
| **Approval data (UL/CUL and CSA)** | | | | | |
| Nominal voltage / current / conductor sizes | UL/CUL:[V]/[A]/AWG | 600 / 41 / 20 - 8 | | | |
| | CSA:[V]/[A]/AWG | – | | | |



# PC 6/…-G-10,16
# 10.16 mm Pitch

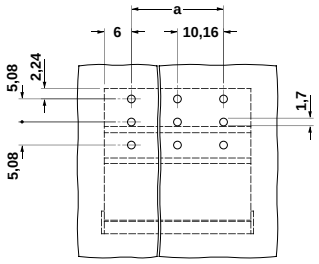


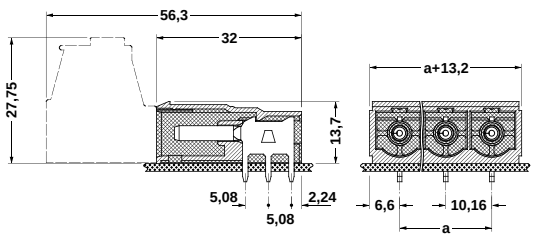
**Note:**
COMBICON plug connectors may only be actuated in the no-load condition. If smaller loads need to be switched for operational reasons, experimental values are available on request.

| Description | No. of positions | Dim. a [mm] | Type | Order No. | Pcs./Pkt. |
|---|---|---|---|---|---|
| **POWER COMBICON headers**, | | | | | |
| 10.16 mm pitch, color: green, | 2 | 10.16 | **PC 6/2-G-10,16** | **19 13 64 6** | 50 |
| plug-in direction parallel to the PCB | 3 | 20.32 | **PC 6/3-G-10,16** | **19 13 65 9** | |
| | 4 | 30.48 | **PC 6/4-G-10,16** | **19 13 66 2** | |
| | 5 | 40.64 | **PC 6/5-G-10,16** | **19 13 67 5** | |
| | 6 | 50.80 | **PC 6/6-G-10,16** | **19 13 68 8** | |
| | 7 | 60.96 | **PC 6/7-G-10,16** | **19 13 69 1** | |
| | 8 | 71.12 | **PC 6/8-G-10,16** | **19 13 70 1** | |
| (1) **Coding profile,** is inserted into the recess on the plug and header, insulating material: red | | | **CP-HCC 4** | **16 00 02 7** | 100 |
| (2) **Marker card,** with 10 pcs. 10-section marker strips, white, self-adhesive, for 100 terminal blocks | | | **SK 10/5** (see COMBICON catalog) | | |

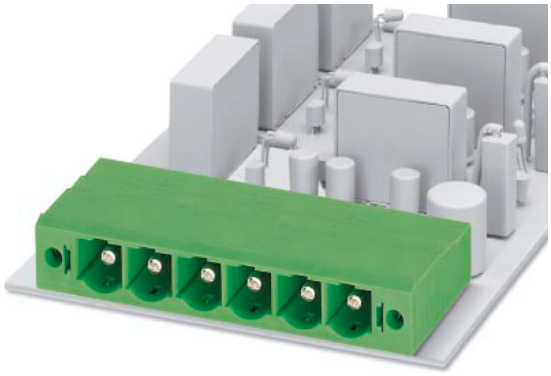
| **Technical data** | | | | | |
|---|---|---|---|---|---|
| Dimensions | | | see description | | |
| Pitch | | [mm] | 10.16 | | |
| Hole diameter | | [mm] | 1.7 | | |
| Pin dimensions | | [mm]x[mm] | 1.0 x 1.2 | | |
| **Technical data in accordance with IEC/ DIN VDE** | | | | | |
| Insulating material group | | – | I | | |
| Surge voltage category / contamination class | | –/– | III / 3 | III / 2 | II / 2 |
| Rated voltage | | [V] | 630[1]) | 1000 | 1000 |
| Rated surge voltage | | [kV] | 6 | 8 | 8 |
| Nominal current / cross section | | [A]/[mm²] | 41 / – | | |
| Maximum load current / cross section | | [A]/[mm²] | 41 / – | | |
| **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** | | | PA | | |
| Inflammability class in acc. with UL 94 | | | V0 | | |
| **Approval data (UL/CUL and CSA)** | | | | | |
| Nominal voltage / current / conductor sizes | | UL/CUL:[V]/[A]/AWG | 300 / 41 / - | | |
| | | CSA:[V]/[A]/AWG | – | | |

[1]) 1000 V on printed circuit board.



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

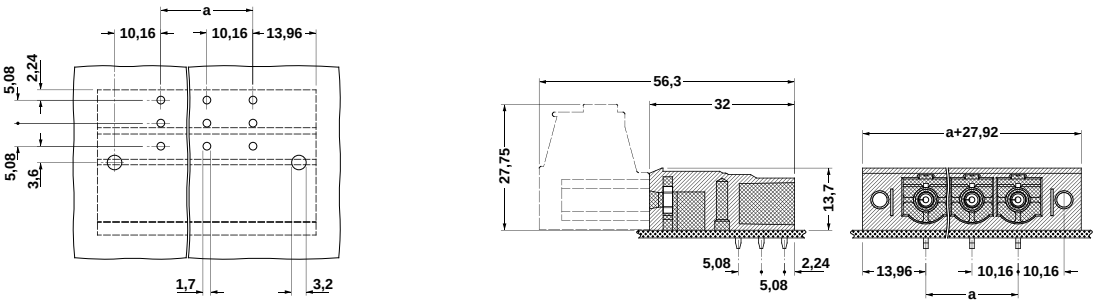


**Note:**
COMBICON plug connectors may only be actuated in the no-load condition. If smaller loads need to be switched for operational reasons, experimental values are available on request.

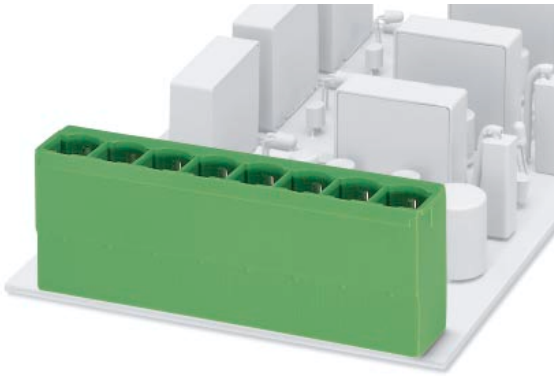
| Description | No. of positions | Dim. a [mm] | Type | Order No. | Pcs./Pkt. |
|---|---|---|---|---|---|
| **POWER COMBICON headers**, | | | | | |
| 10.16 mm pitch, color: green, | 2 | 10.16 | **PC 6/2-GF-10,16** | **19 13 71 4** | 50 |
| plug-in direction parallel to the PCB, | 3 | 20.32 | **PC 6/3-GF-10,16** | **19 13 72 7** | |
| with threaded flange | 4 | 30.48 | **PC 6/4-GF-10,16** | **19 13 73 0** | |
| | 5 | 40.64 | **PC 6/5-GF-10,16** | **19 13 74 3** | |
| | 6 | 50.80 | **PC 6/6-GF-10,16** | **19 13 75 6** | |
| | 7 | 60.96 | **PC 6/7-GF-10,16** | **19 13 76 9** | |
| | 8 | 71.12 | **PC 6/8-GF-10,16** | **19 13 77 2** | |
| (1) **Coding profile,** is inserted into the recess on the plug and header, insulating material: red | | | **CP-HCC 4** | **16 00 02 7** | 100 |
| (2) **Marker card,** with 10 pcs. 10-section marker strips, white, self-adhesive, for 100 terminal blocks | | | **SK 10/5** (see COMBICON catalog) | | |

| | | | | | |
|---|---|---|---|---|---|
| **Technical data** | | | | | |
| Dimensions | | see description | | | |
| Pitch | [mm] | 10.16 | | | |
| Hole diameter | [mm] | 1.7 | | | |
| Pin dimensions | [mm]x[mm] | 1.0 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] | 630[1]) | 1000 | 1000 | |
| Rated surge voltage | [kV] | 6 | 8 | 8 | |
| Nominal current / cross section | [A]/[mm²] | | 41 / – | | |
| Maximum load current / cross section | [A]/[mm²] | | 41 / – | | |
| **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** | | | PA | | |
| Inflammability class in acc. with UL 94 | | | V0 | | |
| **Approval data (UL/CUL and CSA)** | | | | | |
| Nominal voltage / current / conductor sizes | UL/CUL:[V]/[A]/AWG | | 300 / 41 / - | | |
| | CSA:[V]/[A]/AWG | | – | | |

[1]) 1000 V on printed circuit board.



# PCV 6/…-G-10,16
# 10.16 mm Pitch

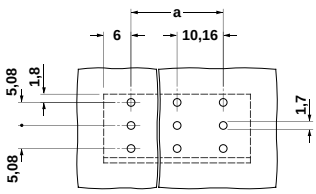


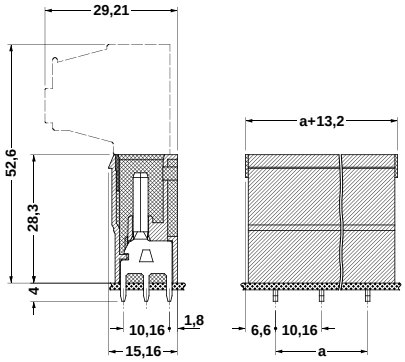
**Note:**
COMBICON plug connectors may only be actuated in the no-load condition. If smaller loads need to be switched for operational reasons, experimental values are available on request.

| Description | No. of positions | Dim. a [mm] | Type | Order No. | Pcs./Pkt. |
|---|---|---|---|---|---|
| **POWER COMBICON headers**, | | | | | |
| 10.16 mm pitch, color: green, | 2 | 10.16 | **PCV 6/2-G-10,16** | **19 22 48 8** | 50 |
| plug-in direction vertical to the PCB, | 3 | 20.32 | **PCV 6/3-G-10,16** | **19 22 49 1** | |
| | 4 | 30.48 | **PCV 6/4-G-10,16** | **19 22 50 1** | |
| | 5 | 40.64 | **PCV 6/5-G-10,16** | **19 22 51 4** | |
| | 6 | 50.80 | **PCV 6/6-G-10,16** | **19 22 52 7** | |
| | 7 | 60.96 | **PCV 6/7-G-10,16** | **19 22 53 0** | |
| | 8 | 71.12 | **PCV 6/8-G-10,16** | **19 22 54 3** | |
| | 9 | 81.28 | **PCV 6/9-G-10,16** | **19 22 55 6** | |
| (1) **Coding profile,** is inserted into the recess on the plug and header, insulating material: red | |  | **CP-HCC 4** | **16 00 02 7** | 100 |
| (2) **Marker card,** with 10 pcs. 10-section marker strips, white, self-adhesive, for 100 terminal blocks | | | **SK 10/5** (see COMBICON catalog) | | |

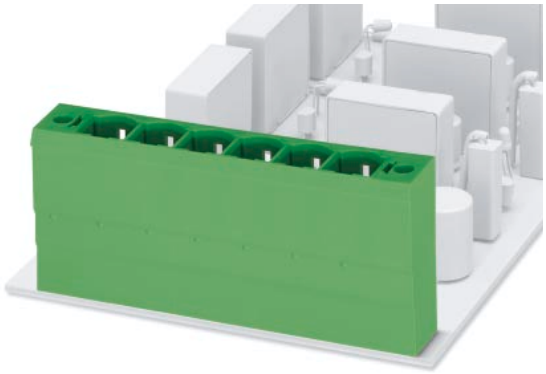
| **Technical data** | | | | | |
|---|---|---|---|---|---|
| Dimensions | | | see description | | |
| Pitch | | [mm] | 10.16 | | |
| Hole diameter | | [mm] | 1.7 | | |
| Pin dimensions | | [mm]x[mm] | 1.0 x 1.2 | | |
| **Technical data in accordance with IEC/ DIN VDE** | | | | | |
| Insulating material group | | – | I | | |
| Surge voltage category / contamination class | | –/– | III / 3 | III / 2 | II / 2 |
| Rated voltage | | [V] | 630[1]) | 1000 | 1000 |
| Rated surge voltage | | [kV] | 6 | 8 | 8 |
| Nominal current / cross section | | [A]/[mm²] | 41 / – | | |
| Maximum load current / cross section | | [A]/[mm²] | 41 / – | | |
| **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** | | | PA | | |
| Inflammability class in acc. with UL 94 | | | V0 | | |
| **Approval data (UL/CUL and CSA)** | | | | | |
| Nominal voltage / current / conductor sizes | | UL/CUL:[V]/[A]/AWG | 300 / 41 / - | | |
| | | CSA:[V]/[A]/AWG | – | | |

[1]) 1000 V on printed circuit board.



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

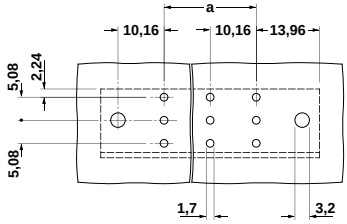


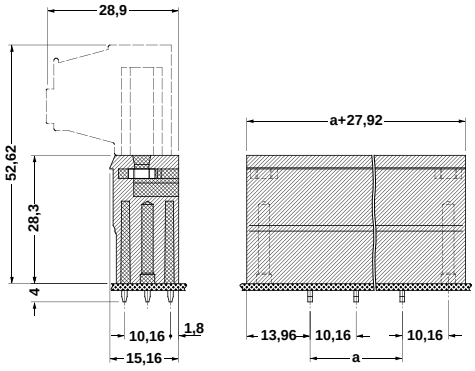
**Note:**
COMBICON plug connectors may only be actuated in the no-load condition. If smaller loads need to be switched for operational reasons, experimental values are available on request.

| Description | No. of positions | Dim. a [mm] | Type | Order No. | Pcs./Pkt. |
|---|---|---|---|---|---|
| **POWER COMBICON headers**, | | | | | |
| 10.16 mm pitch, color: green, | 2 | 10.16 | **PCV 6/2-GF-10,16** | **19 22 56 9** | 50 |
| plug-in direction vertical to the PCB, | 3 | 20.32 | **PCV 6/3-GF-10,16** | **19 22 57 2** | |
| with threaded flange | 4 | 30.48 | **PCV 6/4-GF-10,16** | **19 22 58 5** | |
| | 5 | 40.64 | **PCV 6/5-GF-10,16** | **19 22 59 8** | |
| | 6 | 50.80 | **PCV 6/6-GF-10,16** | **19 22 60 8** | |
| | 7 | 60.96 | **PCV 6/7-GF-10,16** | **19 22 61 1** | |
| | 8 | 71.12 | **PCV 6/8-GF-10,16** | **19 22 62 4** | |
| (1) **Coding profile,** is inserted into the recess on the plug and header, insulating material: red | | | **CP-HCC 4** | **16 00 02 7** | 100 |
| (2) **Marker card,** with 10 pcs. 10-section marker strips, white, self-adhesive, for 100 terminal blocks | | | **SK 10/5** (see COMBICON catalog ) | | |

| **Technical data** | | | | | |
|---|---|---|---|---|---|
| Dimensions | | | see description | | |
| Pitch | | [mm] | 10.16 | | |
| Hole diameter | | [mm] | 1.7 | | |
| Pin dimensions | | [mm]x[mm] | 1.0 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] | 630[1]) | 1000 | 1000 |
| Rated surge voltage | | [kV] | 6 | 8 | 8 |
| Nominal current / cross section | | [A]/[mm²] | 41 / – | | |
| Maximum load current / cross section | | [A]/[mm²] | 41 / – | | |
| **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** | | | PA | | |
| Inflammability class in acc. with UL 94 | | | V0 | | |
| **Approval data (UL/CUL and CSA)** | | | | | |
| Nominal voltage / current / conductor sizes | | UL/CUL:[V]/[A]/AWG | 300 / 41 / - | | |
| | | CSA:[V]/[A]/AWG | – | | |

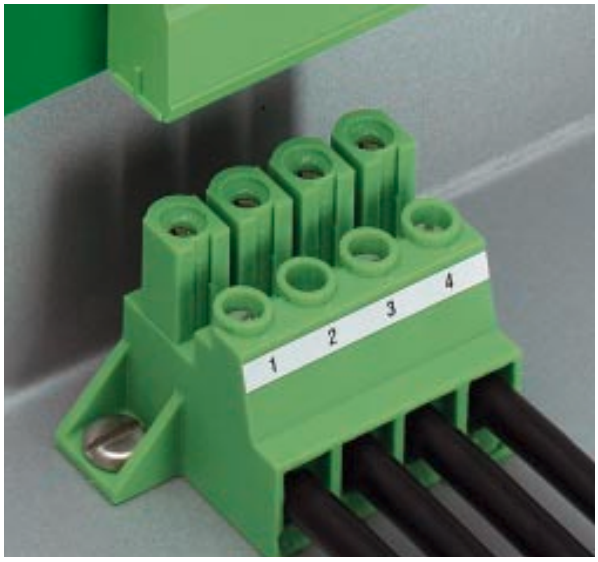
[1]) 1000 V on printed circuit board.



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

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-10,16with 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)



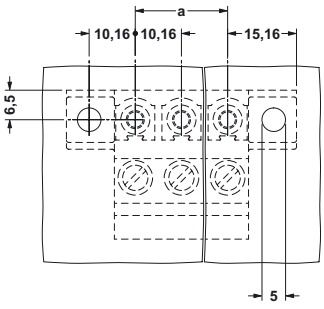
# PCU 6/…-STD-10,16
# 10.16 mm Pitch

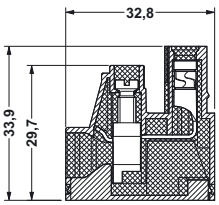


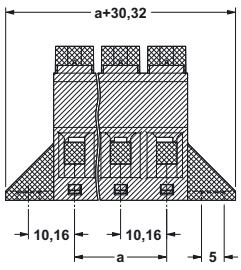
**Note:**
COMBICON plug connectors may only be actuated in the no-load condition. If smaller loads need to be switched for operational reasons, experimental values are available on request.

| Description | No. of positions | Dim. a [mm] | Type | Order No. | Pcs./Pkt. |
|---|---|---|---|---|---|
| **POWER COMBICON plug-in block**, 10.16 mm pitch, color: green | 2 | 10.16 | **PCU 6/2-STD-10,16** | **19 22 63 7** | 50 |
| | 3 | 20.32 | **PCU 6/3-STD-10,16** | **19 22 64 0** | |
| | 4 | 30.48 | **PCU 6/4-STD-10,16** | **19 22 65 3** | |
| | 5 | 40.64 | **PCU 6/5-STD-10,16** | **19 22 66 6** | |
| | 6 | 50.80 | **PCU 6/6-STD-10,16** | **19 22 67 9** | |
| | 7 | 60.96 | **PCU 6/7-STD-10,16** | **19 22 68 2** | |
| | 8 | 71.12 | **PCU 6/8-STD-10,16** | **19 22 69 5** | |
| | 9 | 81.28 | **PCU 6/9-STD-10,16** | **19 22 70 5** | |
| (1) **Coding profile,** is inserted into the recess on the plug and header, insulating material: red | |  | **CP-HCC 4** | **16 00 02 7** | 100 |
| (2) **Marker card,** with 10 pcs. 10-section marker strips, white, self-adhesive, for 100 terminal blocks | | | **SK 10/5** (see COMBICON catalog) | | |
| (3) **Screwdriver**, blade: 1.0 x 4.0 x 100 mm, length: 200 mm | |  | **SZS 1,0 x 4,0** | **12 05 06 6** | 10 |

| | | | | | |
|---|---|---|---|---|---|
| **Technical data** | | | | | |
| Dimensions | | | see description | | |
| Pitch | | [mm] | 10.16 | | |
| Hole diameter | | [mm] | – | | |
| Pin dimensions | | [mm]x[mm] | – | | |
| **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 | 8 |
| Nominal current / cross section | | [A]/[mm²] | | 41 / 6.0 | |
| Maximum load current / cross section | | [A]/[mm²] | | 41 / 6.0 | |
| **Connection capacity** | | | | | |
| Solid / stranded / conductor sizes | | [mm²]/[mm²]/AWG | 0.5 - 10.0 / 0.5 - 6.0 / 20 - 7 | | |
| Stranded with ferrule without / with plastic sleeve | | [mm²] | 0.5 - 6.0 / 0.5 -6.0 | | |
| **Multiple connection (2 conductors with same cross section)** | | | | | |
| Solid / stranded | | [mm²] | 0.5 - 6.0 / 0.5 - 6.0 | | |
| Stranded with ferrule with plastic sleeve | | [mm²] | 0.5 - 2.5 | | |
| Stranded with TWIN ferrule with plastic sleeve | | [mm²] | 0.5 - 4.0 | | |
| **Stripping length** | | [mm] | 12 | | |
| **Internal cylindrical gauge (IEC 60 947-1)** | | | A 5 | | |
| **Thread** | | | M 4 | | |
| **Torque** | | [Nm] | 1.2 - 1.5 | | |
| **Insulating material** | | | PA | | |
| Inflammability class in acc. with UL 94 | | | V0 | | |
| **Approval data (UL/CUL and CSA)** | | | | | |
| Nominal voltage / current / conductor sizes | | UL/CUL:[V]/[A]/AWG | – | | |
| | | CSA:[V]/[A]/AWG | – | | |




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