

## PC 6/ 8-ST-10,16

Order No.: 1913565

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

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1913565>

POWER COMBICON plug components, 10.16 mm pitch, color: green,  
no. of positions 8, dimension a 71.12 mm

### Commercial data

|                          |                    |
|--------------------------|--------------------|
| EAN                      | 4017918179045      |
| Pack                     | 50 Pcs.            |
| Customs tariff           | 85366990           |
| Weight/Piece             | 0.06751 KG         |
| Catalog page information | Page 358 (CC-2007) |

### Product notes

WEEE/RoHS-compliant since:  
01/01/2003



[http://  
www.download.phoenixcontact.com](http://www.download.phoenixcontact.com)  
Please note that the data given  
here has been taken from the  
online catalog. For comprehensive  
information and data, please refer  
to the user documentation. The  
General Terms and Conditions of  
Use apply to Internet downloads.

### Technical data

#### Dimensions / positions

|                        |          |
|------------------------|----------|
| Pitch                  | 10.16 mm |
| Dimension a            | 71.12 mm |
| Number of positions    | 8        |
| Screw thread           | M 4      |
| Tightening torque, min | 1.2 Nm   |

#### Technical data

|                                    |                   |
|------------------------------------|-------------------|
| Insulating material group          | I                 |
| Rated surge voltage (III/3)        | 8 kV              |
| Rated surge voltage (III/2)        | 8 kV              |
| Rated surge voltage (II/2)         | 6 kV              |
| Rated voltage (III/2)              | 1000 V            |
| Rated voltage (II/2)               | 1000 V            |
| Connection in acc. with standard   | EN-VDE            |
| Nominal current $I_N$              | 41 A              |
| Nominal voltage $U_N$              | 1000 V            |
| Nominal cross section              | 6 mm <sup>2</sup> |
| Maximum load current               | 41 A              |
| Insulating material                | PA                |
| Inflammability class acc. to UL 94 | V0                |
| Internal cylindrical gage          | A5                |
| Stripping length                   | 12 mm             |

#### Connection data

|                                                                            |                      |
|----------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                         | 0.75 mm <sup>2</sup> |
| Conductor cross section solid max.                                         | 10 mm <sup>2</sup>   |
| Conductor cross section stranded min.                                      | 0.75 mm <sup>2</sup> |
| Conductor cross section stranded max.                                      | 6 mm <sup>2</sup>    |
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 0.5 mm <sup>2</sup>  |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 6 mm <sup>2</sup>    |
| Conductor cross section stranded, with ferrule with plastic sleeve min.    | 0.5 mm <sup>2</sup>  |
| Conductor cross section stranded, with ferrule with plastic sleeve max.    | 6 mm <sup>2</sup>    |
| Conductor cross section AWG/kcmil min.                                     | 18                   |
| Conductor cross section AWG/kcmil max                                      | 8                    |
| 2 conductors with same cross section, solid min.                           | 0.75 mm <sup>2</sup> |
| 2 conductors with same cross section, solid max.                           | 4 mm <sup>2</sup>    |
| 2 conductors with same cross section, stranded min.                        | 0.75 mm <sup>2</sup> |

|                                                                                         |                     |
|-----------------------------------------------------------------------------------------|---------------------|
| 2 conductors with same cross section, stranded max.                                     | 6 mm <sup>2</sup>   |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.   | 0.5 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 2.5 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 4 mm <sup>2</sup>   |

#### Certificates / Approvals



#### CUL

|                                |       |
|--------------------------------|-------|
| Nominal voltage U <sub>N</sub> | 600 V |
| Nominal current I <sub>N</sub> | 50 A  |
| AWG/kcmil                      | 20-8  |

#### UL

|                                |               |
|--------------------------------|---------------|
| Nominal voltage U <sub>N</sub> | 600 V         |
| Nominal current I <sub>N</sub> | 50 A          |
| AWG/kcmil                      | 20-8          |
| Certification                  | CUL, GOST, UL |

#### Accessories

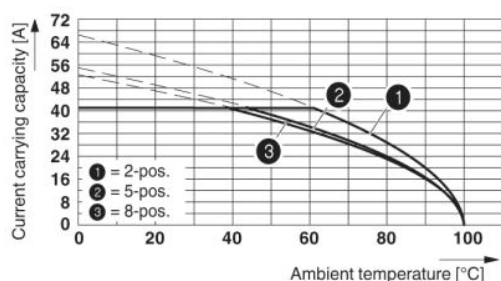
| Item                | Designation | Description                                                                                                                                         |
|---------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Plug/Adapter</b> |             |                                                                                                                                                     |
| 1600027             | CP-HCC 4    | Coding profile, is inserted into the slot on the plug and header, red insulating material                                                           |
| <b>Tools</b>        |             |                                                                                                                                                     |
| 1205066             | SZS 1,0X4,0 | Screwdriver, bladed, matches all screw terminal blocks with 10 mm <sup>2</sup> and 16 mm <sup>2</sup> connection cross section, blade: 1.0 x 4.0 mm |

## Additional products

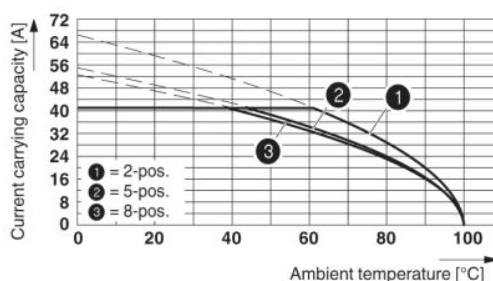
| Item           | Designation         | Description                                                                                    |
|----------------|---------------------|------------------------------------------------------------------------------------------------|
| <b>General</b> |                     |                                                                                                |
| 1913701        | PC 6-16/ 8-G-10,16  | POWER COMBICON headers, 10.16 mm pitch, color: green, no. of positions 8, dimension a 71.12 mm |
| 1922543        | PCV 6-16/ 8-G-10,16 | POWER COMBICON headers, 10.16 mm pitch, color: green, no. of positions 8, dimension a 71.12 mm |

## Drawings

### Diagram

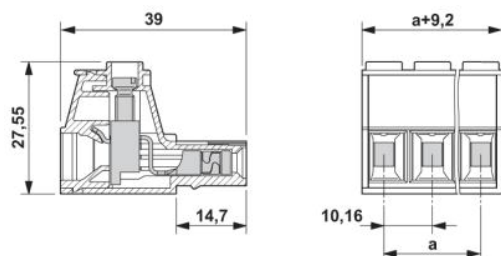


Derating curve for: PC 6/...ST-10,16 with PC 6-16/...G1-10,16



Derating curve for: PC 6/...ST-10,16 with PCV 6-16/...G1-10,16

### Dimensioned drawing



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