

## PC 5/12-ST-7,62

Order No.: 1975684

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

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1975684>Plug, no. of positions: 12, pitch: 7.62 mm, U = 1000 V, I = 41 A, rated  
cross section = 6 mm<sup>2</sup>

### Commercial data

EAN	4017918971830
Pack	50 Pcs.
Customs tariff	85366990
Weight/Piece	0.059 KG
Catalog page information	Page 334 (CC-2007)

### Product notes

WEEE/RoHS-compliant since:  
12/18/2003

<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	7.62 mm
Dimension a	83.82 mm
Number of positions	12
Screw thread	M 3
Tightening torque, min	0.7 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
Nominal current $I_N$	41 A
Nominal voltage $U_N$	1000 V
Nominal cross section	10 mm <sup>2</sup>
Maximum load current	41 A
Insulating material	PA
Inflammability class acc. to UL 94	V0
Internal cylindrical gage	A4
Stripping length	10 mm

**Connection data**

Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	10 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	6 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 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.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	4 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	10
2 conductors with same cross section, solid min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, solid max.	2.5 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	4 mm <sup>2</sup>

2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	2.5 mm <sup>2</sup>

### Certificates / Approvals

#### Approval logo



#### CUL

Nominal voltage U <sub>N</sub>	600 V
Nominal current I <sub>N</sub>	30 A
AWG/kcmil	24-10

#### UL

Nominal voltage U <sub>N</sub>	600 V
Nominal current I <sub>N</sub>	30 A
AWG/kcmil	24-10
Certification	CUL, UL

### Drawings

#### Diagram

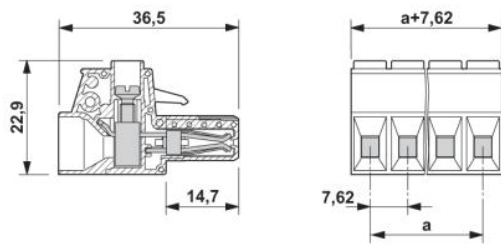
Derating curve for: PC 5/...-ST-7,62 with PC 5/...-G-7,62  
 Conductor cross-section: 10 mm<sup>2</sup>

Derating curve for: PC 5/...-ST-7,62 with PC 5/...-G-7,62  
 Conductor cross-section: 6 mm<sup>2</sup>

Derating curve for: PC 5/...-ST-7,62 with IPC 5/...-ST-7,62  
 Conductor cross section 6 mm<sup>2</sup>

Dimensioned drawing

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