

PC 6/ 2-ST-10,16

Order No.: 1913507

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

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1913507>

Plug component, Nominal current: 41 A, Nom. voltage: 1000 V,
Pitch: 10.16 mm, Number of positions: 2, Connection type: Screw
connection, Color: green

Commercial data

EAN	4017918178987
Pack	50 pcs.
Customs tariff	85366990
Weight/Piece	0.017136 KG
Catalog page information	Page 404 (CC-2009)

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
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Technical data

Dimensions / positions

Pitch	10.16 mm
Dimension a	10.16 mm
Number of positions	2
Screw thread	M4

Tightening torque, min	1.2 Nm
Tightening torque max	1.5 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 ²
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 ²
Conductor cross section solid max.	10 mm ²
Conductor cross section stranded min.	0.75 mm ²
Conductor cross section stranded max.	6 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.5 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	6 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	6 mm ²
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 ²
2 conductors with same cross section, solid max.	4 mm ²

2 conductors with same cross section, stranded min.	0.75 mm ²
2 conductors with same cross section, stranded max.	6 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	2.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	4 mm ²

Certificates / Approvals



Certification CUL, GOST, UL

CUL

Nominal voltage U _N	600 V
Nominal current I _N	50 A
AWG/kcmil	20-8

UL

Nominal voltage U _N	600 V
Nominal current I _N	50 A
AWG/kcmil	20-8

Accessories

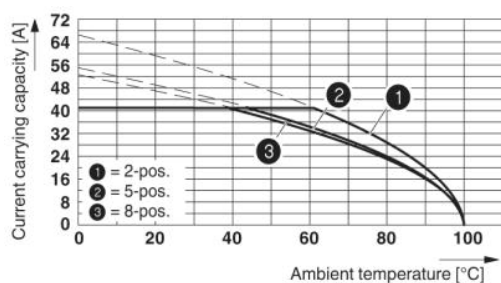
Item	Designation	Description
Plug/Adapter		
1600027	CP-HCC 4	Coding profile, Color: red
Tools		
1205066	SZS 1,0X4,0	Screwdriver, bladed, matches all screw terminal blocks with 10 mm ² and 16 mm ² connection cross section, blade: 1.0 x 4.0 mm

Additional products

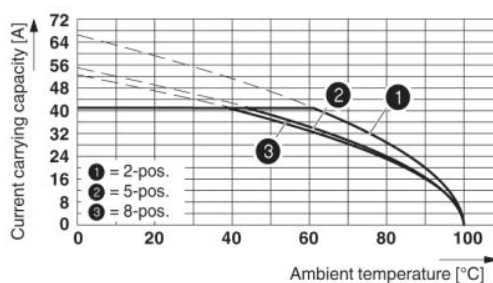
Item	Designation	Description
General		
1913646	PC 6-16/ 2-G-10,16	Header, Pitch: 10.16 mm, Number of positions: 2, Color: green, Assembly: Soldering
1922488	PCV 6-16/ 2-G-10,16	Header, Nominal current: 76 A, Nom. voltage: 630 V, Pitch: 10.16 mm, Number of positions: 2, Assembly: Soldering

Diagrams/Drawings

Diagram

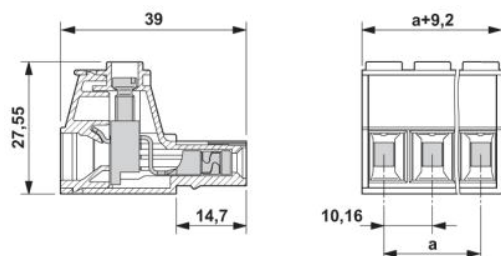


Derating curve for: PC 6/...-ST-10,16 with PC 6-16/...-G1-10,16



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

Dimensioned drawing



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