

PC 6/ 3-ST-10,16

Order No.: 1913510


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



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1913510>

Plug component, Nominal current: 41 A, Rated voltage (III/2): 1000 V, Number of positions: 3, Pitch: 10.16 mm, Connection method: Screw connection, Color: green

Commercial data

GTIN (EAN)	 4 017918 178994
sales group	E522
Pack	50 pcs.
Customs tariff	85366990
Catalog page information	Page 456 (CC-2011)

Product notes

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



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Technical data

Dimensions / positions

Pitch	10.16 mm
Dimension a	20.32 mm
Number of positions	3
Screw thread	M4

Tightening torque, min	1.2 Nm
Tightening torque max	1.5 Nm

Technical data

Range of articles	PC 6/...-ST
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
Nominal voltage, UL/CUL Use Group B	600 V
Nominal current, UL/CUL Use Group B	50 A
Nominal voltage, UL/CUL Use Group C	600 V
Nominal current, UL/CUL Use Group C	50 A

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
Minimum AWG according to UL/CUL	20
Maximum AWG according to UL/CUL	8

Certificates / Approvals



Certification

CUL, GOST, UL

Accessories

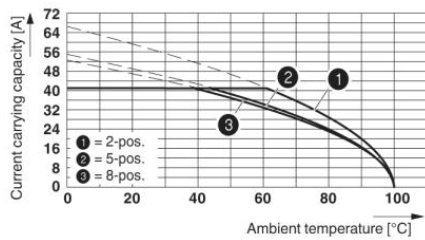
Item	Designation	Description
Plug/Adapter		
1600027	CP-HCC 4	Coding profile, Color: red
Tools		
1205066	SZS 1,0X4,0 VDE	Screwdriver, bladed, VDE insulated, size: 1.0 x 4.0 x 100 mm, 2-component grip, with non-slip grip

Additional products

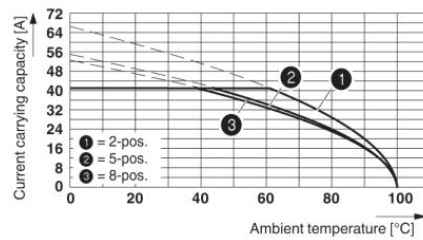
Item	Designation	Description
General		
1913659	PC 6-16/ 3-G-10,16	Header, Rated voltage (III/2): 1000 V, Number of positions: 3, Pitch: 10.16 mm, Color: green, Assembly: Soldering, The nominal current of 76 A applies in connection with connectors from the PC 16 family. 41 A are reached in connection with PC 6 connectors (50 A in accordance with UL).
1922491	PCV 6-16/ 3-G-10,16	Header, Nominal current: 76 A, Number of positions: 3, Pitch: 10.16 mm, The nominal current of 76 A applies in connection with connectors from the PC 16 family. 41 A are reached in connection with PC 6 connectors (50 A in accordance with UL).

Diagrams/Drawings

Diagram

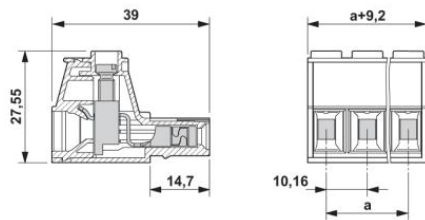


Derating curve for: PC 6/..-ST-10,16 with PC 6-16/..-G1-10,16



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

Dimensioned drawing



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