

PC 5/ 2-ST1-7,62

Order No.: 1777723



<http://eshop.phoenixcontact.co.uk/phoenix/treeViewClick.do?UID=1777723>

Plug component, Nominal current: 41 A, Rated voltage (III/2): 1000 V,
Number of positions: 2, Pitch: 7.62 mm, Connection method: Screw
connection, Color: green, Contact surface: Tin

Commercial data

EAN	4 046356 522267
Pack	50
Customs tariff	85366990
Gross weight in pieces	9.29 g
Country of Origin	DE
Catalog page information	Page 430 (CC-2011)

Product notes

WEEE/RoHS-compliant since:
05/08/2009



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 at <http://www.download.phoenixcontact.com>. The General Terms and Conditions of Use apply to Internet downloads.

Technical data

Dimensions / positions

Length	35.5 mm
Height	19.7 mm
Pitch	7.62 mm
Dimension a	7.62 mm
Number of positions	2

Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.8 Nm

Technical data

Range of articles	PC 5/..-ST1
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	6 mm ²
Maximum load current	41 A
Insulating material	PA
Inflammability class according to UL 94	V0
Internal cylindrical gage	A4
Stripping length	10 mm
Nominal voltage, UL/CUL Use Group B	600 V
Nominal current, UL/CUL Use Group B	41 A
Nominal voltage, UL/CUL Use Group C	600 V
Nominal current, UL/CUL Use Group C	41 A

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	10 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	6 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 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.	0.25 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	4 mm ²

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 ²
2 conductors with same cross section, solid max.	2.5 mm ²
2 conductors with same cross section, stranded min.	0.2 mm ²
2 conductors with same cross section, stranded max.	4 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.25 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	2.5 mm ²
Minimum AWG according to UL/CUL	24
Maximum AWG according to UL/CUL	8

Certificates



Certification

cULus Recognized, GOST

Certifications applied for:

Certification Ex:

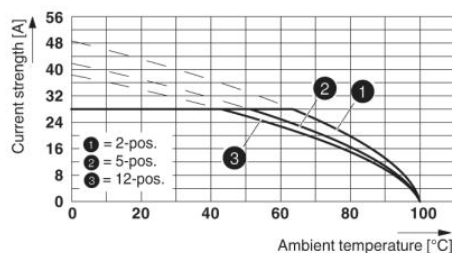
Accessories

Item	Designation	Description
General		
1701967	CP-PC RD	Coding profile, for plugging into the coding ribs of the plug at a later date, insulating material, color: Red
Tools		
1205150	SZK PH1 VDE	Screwdriver, PH crosshead, VDE insulated, size: PH 1 x 80 mm, 2-component grip, with non-slip grip

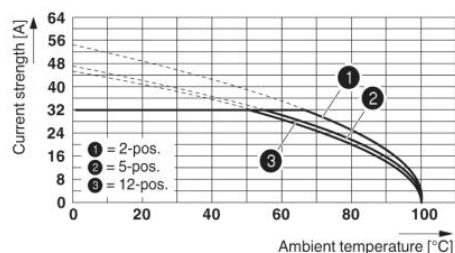
1205053	SZS 0,6X3,5	Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip
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Drawings

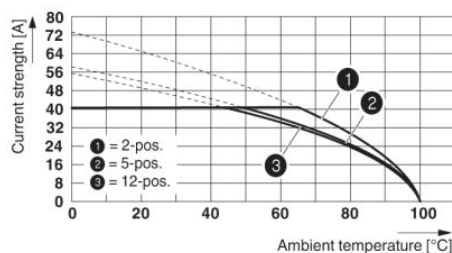
Diagram



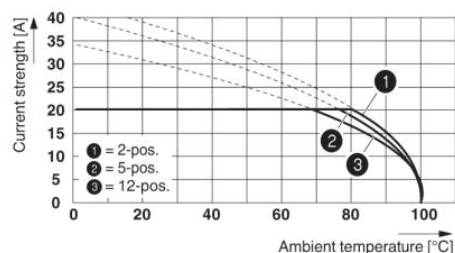
Derating curve for: PC 5/...-ST1-7,62 with
PC 4/...-G-7,62
Conductor cross section: 4 mm²



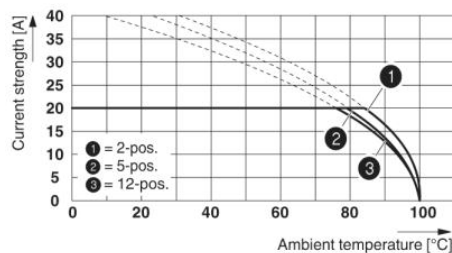
Derating curve for: PC 5/...-ST1-7,62 with
PC 5/...-G-7,62
Conductor cross section: 6 mm²



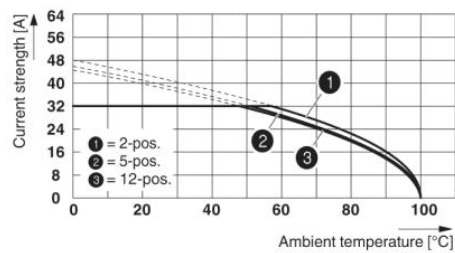
Derating curve for: PC 5/...-ST1-7,62 with
PC 5/...-G-7,62
Conductor cross section: 10 mm²



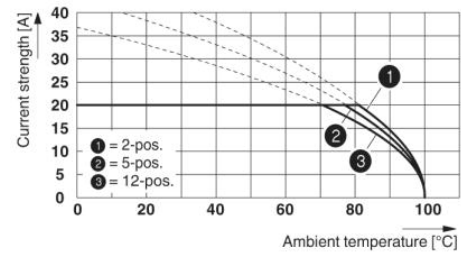
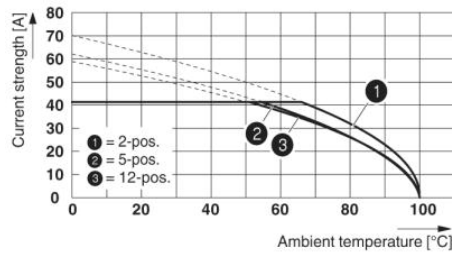
Derating curve for: PC 5/...-ST1-7,62 with
PCV 4/...-G-7,62
Conductor cross section: 4 mm²



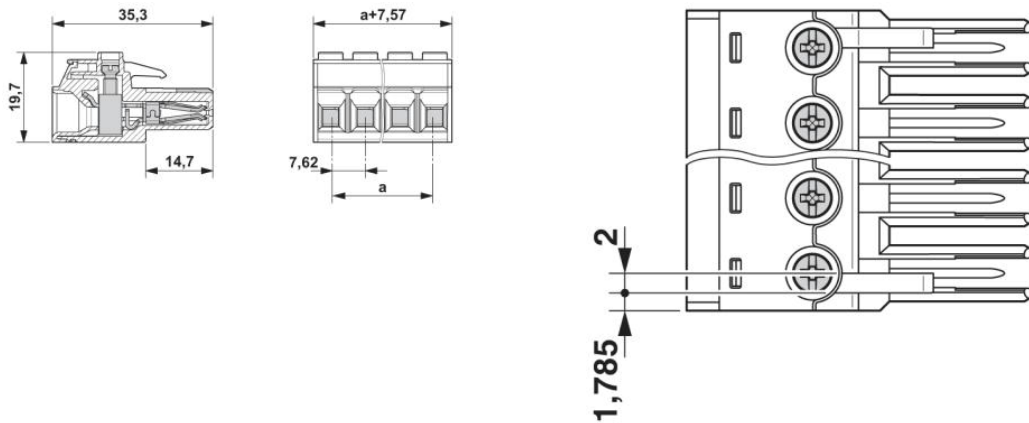
Derating curve for: PC 5/...-ST1-7,62 with
PCV 4/...-G-7,62
Conductor cross section: 6 mm²



Derating curve for: PC 5/...-ST1-7,62 with
PCV 5/...-G-7,62
Conductor cross section: 6 mm²



Dimensioned drawing



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