

Printed-circuit board connector - PC 5/ 4-ST1-7,62 - 1777749

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)

Plug component, Nominal current: 41 A, Rated voltage (III/2): 1000 V, Number of positions: 4, Pitch: 7.62 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin



Product Features

- Unlimited 600 V UL approval
- CP-PC coding profile as protection against mismatching
- Maximum contact reliability due to integrated double steel spring
- High-capacity plugs with a current carrying capacity of 41 A and a connection capacity of 6 mm², stranded/10 mm², solid



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
Weight per Piece (excluding packing)	17.2 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length	35.3 mm
Height	19.7 mm
Width	30.43 mm
Pitch	7.62 mm
Dimension a	22.86 mm

General

Range of articles	PC 5/..-ST1
Insulating material group	I
Rated surge voltage (III/3)	8 kV

Printed-circuit board connector - PC 5/ 4-ST1-7,62 - 1777749

Technical data

General

Rated surge voltage (III/2)	8 kV
Rated surge voltage (II/2)	6 kV
Rated voltage (III/3)	1000 V
Rated voltage (III/2)	1000 V
Rated voltage (II/2)	1000 V
Nominal current I_N	41 A
Nominal cross section	6 mm ²
Maximum load current	41 A
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	A4
Stripping length	10 mm
Number of positions	4
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.8 Nm

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	10 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	6 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	6 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	4 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG 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

Printed-circuit board connector - PC 5/ 4-ST1-7,62 - 1777749

Technical data

Connection data

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

Standards and Regulations

Connection in acc. with standard	CUL
Flammability rating according to UL 94	V0

Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27141190
eCl@ss 6.0	27260704
eCl@ss 7.0	27440402
eCl@ss 8.0	27440309

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	EC002638

UNSPSC

UNSPSC 6.01	30211810
UNSPSC 7.0901	39121409
UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121409

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized


Printed-circuit board connector - PC 5/ 4-ST1-7,62 - 1777749


Approvals

Ex Approvals

Approvals submitted

Approval details

UL Recognized 		
	B	C
mm ² /AWG/kcmil	24-8	24-8
Nominal current I _N	41 A	41 A
Nominal voltage U _N	600 V	600 V

cUL Recognized 		
	B	C
mm ² /AWG/kcmil	24-8	24-8
Nominal current I _N	41 A	41 A
Nominal voltage U _N	600 V	600 V

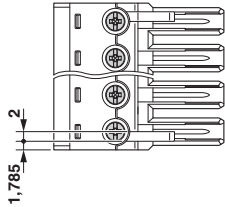
EAC

cULus Recognized 
--

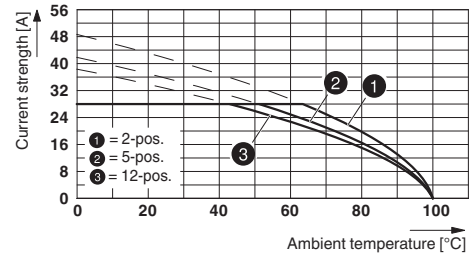
Drawings

Printed-circuit board connector - PC 5/ 4-ST1-7,62 - 177749

Dimensional drawing

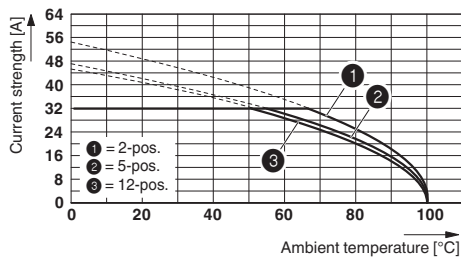


Diagram



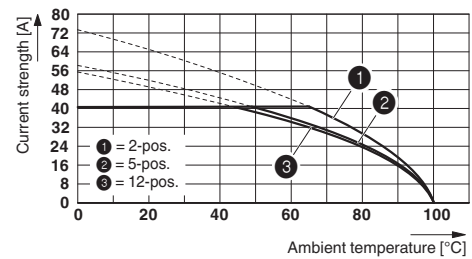
Derating curve for: PC 5/...-ST1-7,62 with PC 4/...-G-7,62
Conductor cross section: 4 mm²

Diagram



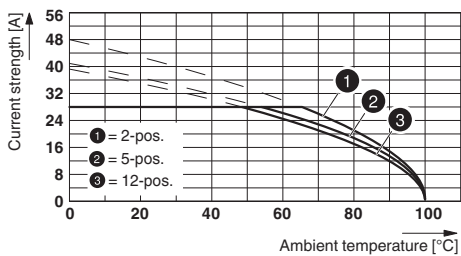
Derating curve for: PC 5/...-ST1-7,62 with PC 5/...-G-7,62
Conductor cross section: 6 mm²

Diagram



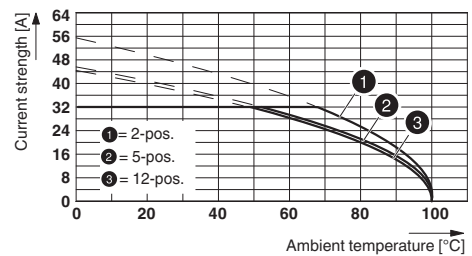
Derating curve for: PC 5/...-ST1-7,62 with PC 5/...-G-7,62
Conductor cross section: 10 mm²

Diagram



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

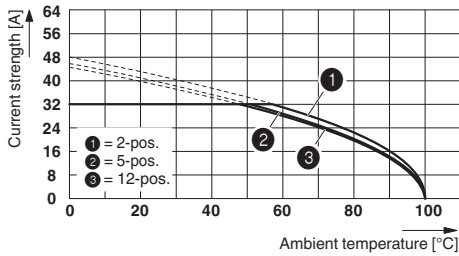
Diagram



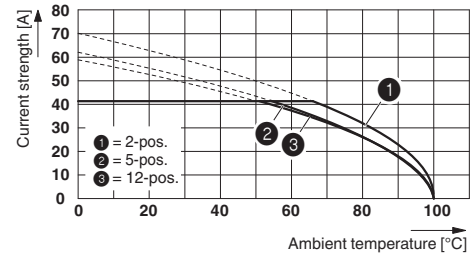
Derating curve for: PC 5/...-ST1-7,62 with PCV 4/...-G-7,62
Conductor cross section: 6 mm²

Printed-circuit board connector - PC 5/ 4-ST1-7,62 - 177749

Diagram



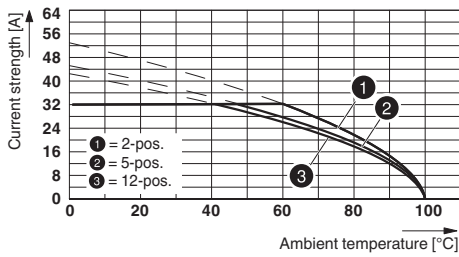
Diagram



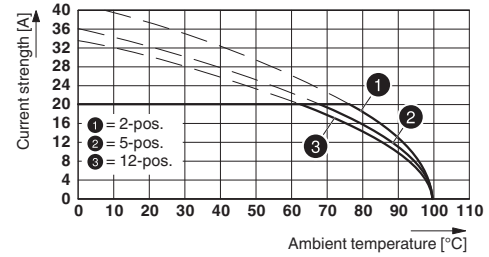
Derating curve for: PC 5/...-ST1-7,62 with PCV 5/...-G-7,62
Conductor cross section: 6 mm²

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

Diagram



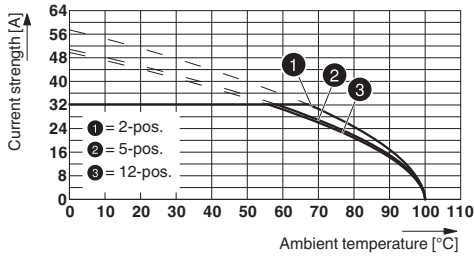
Diagram



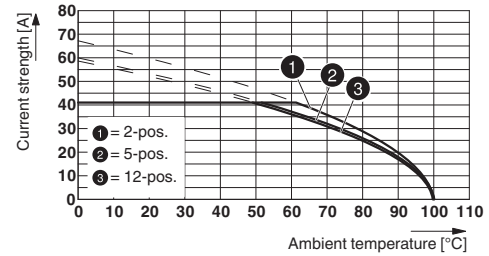
Derating curve for: PC 5/...-ST1-7,62 with PC 4/...-G-7,62
Conductor cross section: 6 mm²

Type: PC 5/...-ST1-7,62 with PCVK 4-7,62

Diagram



Diagram

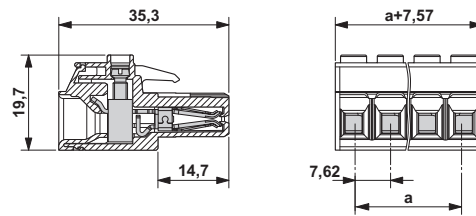


Type: PC 5/...-ST(F)1-7,62 with PC 5/...-GU(F)-7,62
Conductor cross section: 6 mm²

Type: PC 5/...-ST(F)1-7,62 with PC 5/...-G(F)U-7,62
Conductor cross section: 10 mm²

Printed-circuit board connector - PC 5/ 4-ST1-7,62 - 1777749

Dimensional drawing



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Pluggable Terminal Blocks](#) category:

Click to view products by [Phoenix Contact](#) manufacturer:

Other Similar products are found below :

[57.404.7553](#) [57.504.0053.7](#) [57.510.0053](#) [57.910.6153](#) [01.112.1453](#) [CTB932VE/6](#) [MC 1.5/ 6-ST-3.5 GY AU](#) [ET02015000J0G](#) [734-104](#) [734-302](#) [734-304](#) [8-141-P](#) [FKCT 2.5/ 3-ST KMGY](#) [860505](#) [860508](#) [860516](#) [860810](#) [861908](#) [GBPACX-12](#) [93.731.4953.0](#) [PV05-5,08-K](#) [PVP02-5,00](#) [PVP04-3,50](#) [PVS02-5,00](#) [1-1986160-3](#) [H-10](#) [1546228-5](#) [ELFH09150](#) [ELFH16150](#) [ELFP03110](#) [ELFT06250](#) [ELFT07250](#) [ELVF09400](#) [ELVP03100](#) [ELXH03100](#) [ELXH071G0E](#) [ELXP041G0](#) [ELXT046G0](#) [1700101](#) [1700410](#) [1700425](#) [1703176](#) [1703243](#) [1705229](#) [1710175](#) [1714537](#) [1717806](#) [1719600](#) [1728941](#) [1729386](#)