

Printed-circuit board connector - PC 5/ 2-STF1-7,62 - 1777833

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: 2, Pitch: 7.62 mm, Connection method: Screw connection, Color: green, Contact surface: Tin




Why buy this product

- ✓ Unlimited 600 V UL approval
- ✓ CP-PC coding profile as protection against mismatching
- ✓ Maximum contact reliability due to integrated double steel spring
- ✓ Automatic, tool-free snap-lock mechanism using the Click and Lock system (-STCL); high level of safety even in the event of vibrations
- ✓ 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	50 pc
Minimum order quantity	50 pc
GTIN	 4 046356 522977
Weight per Piece (excluding packing)	11.2 g
Custom tariff number	85366990
Country of origin	Germany
Product key	AABCCA

Technical data

Dimensions

Length	35.5 mm
Height	19.7 mm
Pitch	7.62 mm
Dimension a	7.62 mm

General

Range of articles	PC 5/..-STF1
Insulating material group	I
Rated surge voltage (III/3)	8 kV

Printed-circuit board connector - PC 5/ 2-STF1-7,62 - 1777833

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
Inflammability class according to UL 94	V0
Internal cylindrical gage	A4
Stripping length	10 mm
Number of positions	2
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.8 Nm
Note	Tightening torque $\leq 4 \text{ mm}^2$ is 0.5 Nm to 0.6 Nm, $> 4 \text{ mm}^2$ is 0.7 Nm to 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
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	2.5 mm ²
Minimum AWG according to UL/CUL	24

Printed-circuit board connector - PC 5/ 2-STF1-7,62 - 1777833

Technical data

Connection data

Maximum AWG according to UL/CUL	8
---------------------------------	---

Classifications

eCl@ss

eCl@ss 4.0	27141109
eCl@ss 4.1	27141109
eCl@ss 5.0	27141190
eCl@ss 5.1	27141190
eCl@ss 6.0	27261101
eCl@ss 7.0	27440402
eCl@ss 8.0	27440309

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002643
ETIM 5.0	EC002638

UNSPSC

UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432
UNSPSC 11	39121432
UNSPSC 12.01	39121432
UNSPSC 13.2	39121432

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

Printed-circuit board connector - PC 5/ 2-STF1-7,62 - 1777833

Approvals

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		
------------------	--	--

Accessories

Accessories

Coding element

Coding profile - CP-PC RD - 1701967

Coding profile, for plugging into the coding ribs of the plug at a later date, insulating material, color: Red



Screwdriver tools

Screwdriver - SZS 0,6X3,5 - 1205053



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

Printed-circuit board connector - PC 5/ 2-STF1-7,62 - 1777833

Accessories

Additional products

Printed-circuit board connector - IPC 5/ 2-STGF-7,62 - 1709267



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

Printed-circuit board connector - ISPC 5/ 2-STGF-7,62 - 1749201



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

Printed-circuit board connector - PC 5/ 2-GF-7,62 - 1720796



Header, Nominal current: 41 A, Rated voltage (III/2): 630 V, Number of positions: 2, Pitch: 7.62 mm, Color: green, Contact surface: Tin, Mounting: Soldering

Printed-circuit board connector - PC 5/ 2-GFU-7,62 - 1721012



Header, Nominal current: 41 A, Rated voltage (III/2): 630 V, Number of positions: 2, Pitch: 7.62 mm, Color: green, Contact surface: Tin, Mounting: Soldering

Housing - PCV 5/ 2-GF-7,62 - 1720903



Header, Nominal current: 41 A, Rated voltage (III/2): 630 V, Number of positions: 2, Pitch: 7.62 mm, Color: green, Contact surface: Tin, Mounting: Soldering

Printed-circuit board connector - PC 5/ 2-STF1-7,62 - 1777833

Accessories

Printed-circuit board connector - DFK-PC 5/ 2-GF-7,62 - 1727692



Header, Nominal current: 41 A, Rated voltage (III/2): 630 V, Number of positions: 2, Pitch: 7.62 mm, Color: green, Contact surface: Tin, Mounting: Soldering

Printed-circuit board connector - DFK-PC 5/ 2-GFU-7,62 - 1727919



Header, Nominal current: 41 A, Rated voltage (III/2): 630 V, Number of positions: 2, Pitch: 7.62 mm, Color: green, Contact surface: Tin, Mounting: Soldering

Printed-circuit board connector - DFK-PCV 5/ 2-GF-7,62 - 1716399



Header, Nominal current: 41 A, Rated voltage (III/2): 630 V, Number of positions: 2, Pitch: 7.62 mm, Color: green, Contact surface: Tin, Mounting: Soldering

Printed-circuit board connector - DFK-PC 5/ 2-GF-SH-7,62 - 1716069



Header, Nominal current: 41 A, Rated voltage (III/2): 630 V, Number of positions: 2, Pitch: 7.62 mm, Color: green, Contact surface: Tin, Mounting: Soldering

Printed-circuit board connector - DFK-PC 5/ 2-GFU-SH-7,62 - 1716179



Header, Nominal current: 41 A, Rated voltage (III/2): 630 V, Number of positions: 2, Pitch: 7.62 mm, Color: green, Contact surface: Tin, Mounting: Soldering

Printed-circuit board connector - PC 5/ 2-STF1-7,62 - 1777833

Accessories

Printed-circuit board connector - DFK-PC 5/ 2-STF-7,62 - 1716616



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

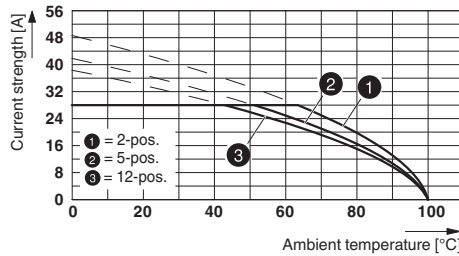
Drawings

Diagram

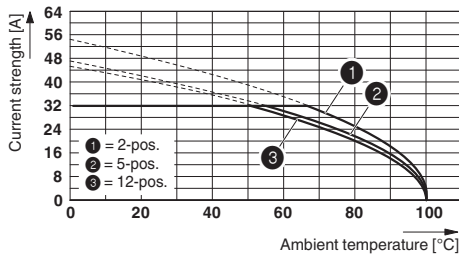
Type:
PC
5/...-
ST...-7,62
with
DFK-
PC
4/...-
GF-7,62

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

Diagram

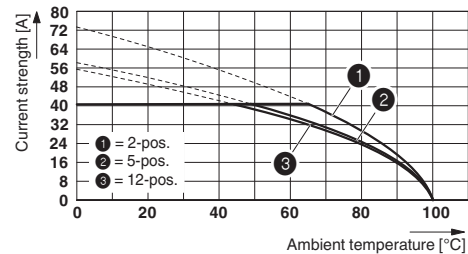


Diagram



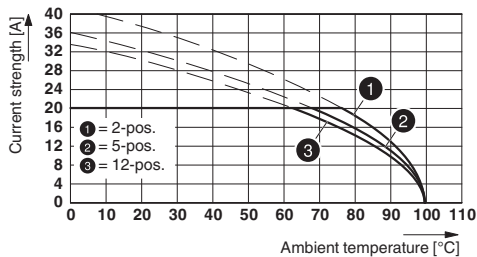
Derating curve for: PC 5/...-ST1-7,62 with PC 5/...-G-7,62
Conductor cross section: 6 mm²

Diagram



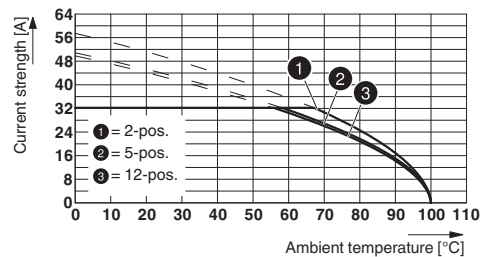
Derating curve for: PC 5/...-ST1-7,62 with PC 5/...-G-7,62
Conductor cross section: 10 mm²

Diagram



Type: PC 5/...-STF1-7,62 with PCVK 4-7,62 and PCVK 4-7,62-F

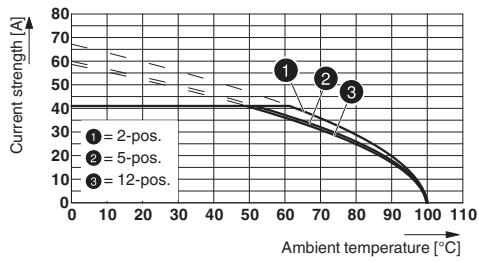
Diagram



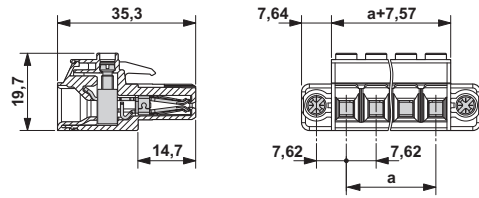
Type: PC 5/...-ST(F)1-7,62 with PC 5/...-GU(F)-7,62
Conductor cross section: 6 mm²

Printed-circuit board connector - PC 5/ 2-STF1-7,62 - 1777833

Diagram



Dimensional drawing



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