Printed-circuit board connector - PC 5/ 6-STF1-7,62 - 1777875

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Plug component, Nominal current: 41 A, Rated voltage (III/2): 1000 V, Number of positions: 6, Pitch: 7.62 mm, Connection method: Screw connection, 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
- 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

package_quantity	50
GTIN	4046356523011

Technical data

Dimensions

Length	35.5 mm
Height	19.7 mm
Pitch	7.62 mm
Dimension a	38.1 mm

General

Range of articles	PC 5/..-STF1
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/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 mm²
Maximum load current	41 A
Insulating material	PA

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Technical data

General

Inflammability class according to UL 94	V0
Internal cylindrical gage	A4
Stripping length	10 mm
Number of positions	6
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.8 Nm

Connection data

Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	10 mm²
Conductor cross section stranded min.	0.2 mm²
Conductor cross section stranded max.	6 mm²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm²
Conductor cross section stranded, with ferrule without plastic sleeve max.	6 mm²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm²
Conductor cross section stranded, with ferrule with plastic sleeve max.	4 mm²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	10
2 conductors with same cross section, solid min.	0.2 mm²
2 conductors with same cross section, solid max.	2.5 mm²
2 conductors with same cross section, stranded min.	0.2 mm²
2 conductors with same cross section, stranded max.	4 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.25 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	2.5 mm²
Minimum AWG according to UL/CUL	24
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

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classifications

eCl@ss

eCl@ss 6.0	27261101
eCl@ss 7.0	27440402
eCl@ss 8.0	27440402

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

UL Recognized / cUL Recognized / GOST / GOST / cULus Recognized /

Approval details

UL Recognized

Usegroups	**B**	**C**
Nominal voltage UN	600 V	600 V
Nominal current IN	41 A	41 A
mm²/AWG/kcmil	24-8	24-8

cUL Recognized

Usegroups	**B**	**C**
Nominal voltage UN	600 V	600 V
Nominal current IN	41 A	41 A
mm²/AWG/kcmil	24-8	24-8

GOST

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approvals

cULus Recognized

accessories

Screwdriver tools

SZK PH1 VDE - 1205150



SZS 0,6X3,5 - 1205053



Coding element

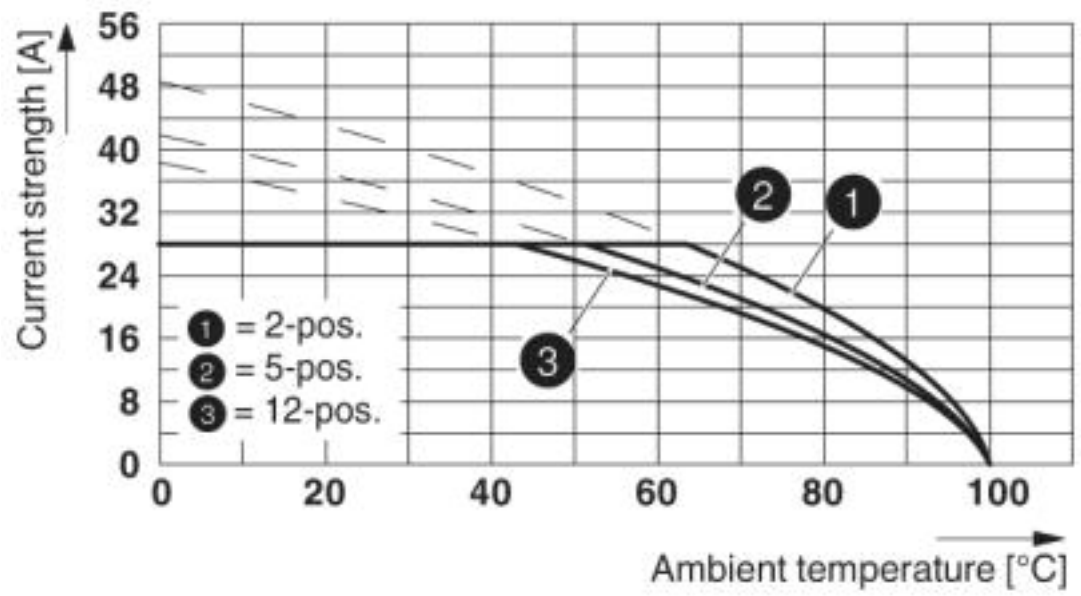
CP-PC RD - 1701967



Drawings

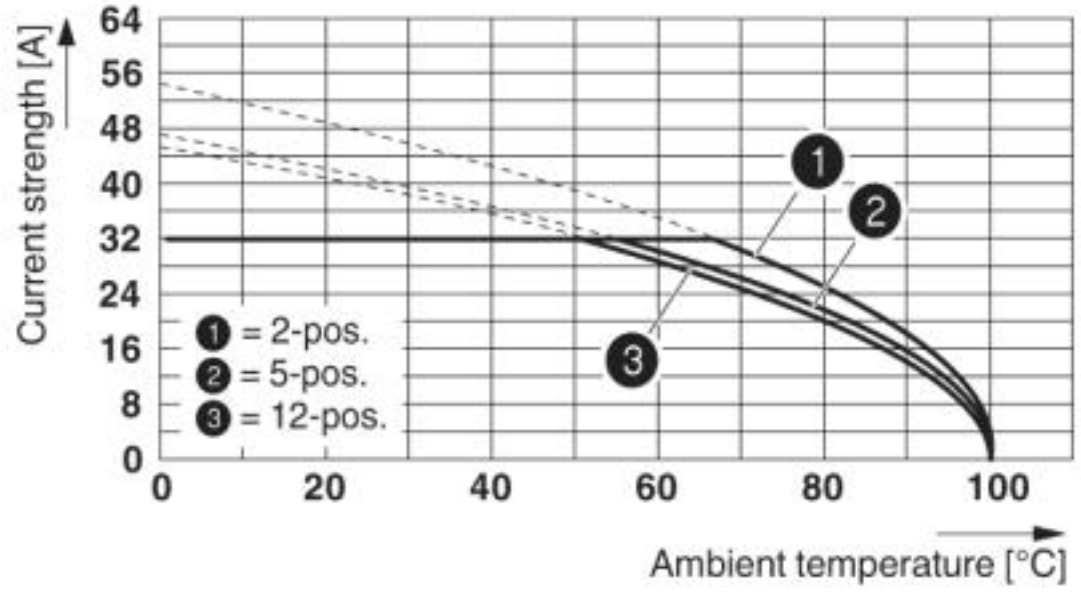
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Diagram



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

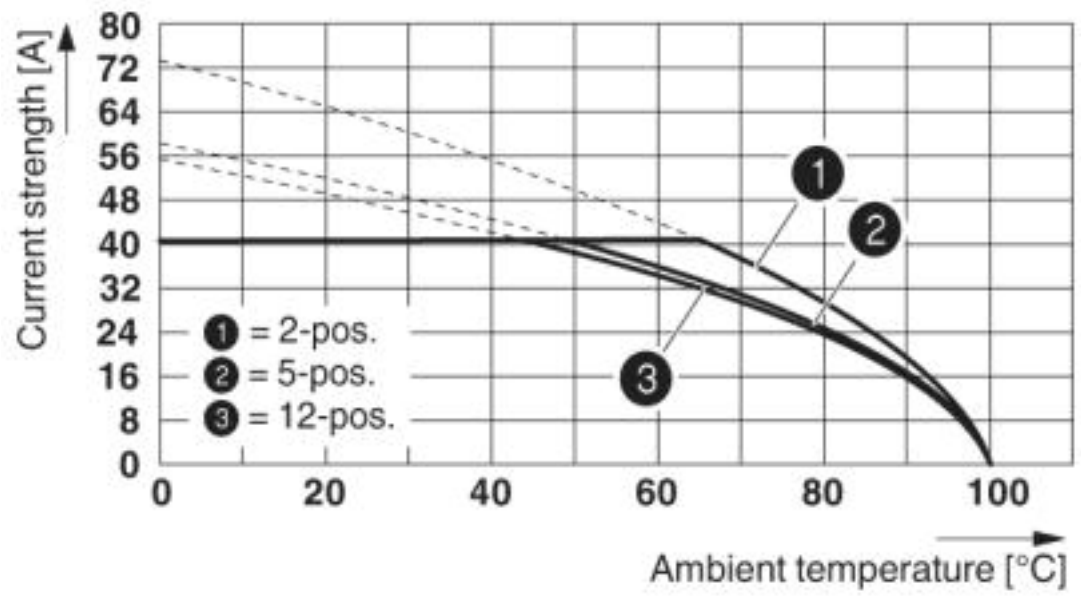
Diagram



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

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Diagram

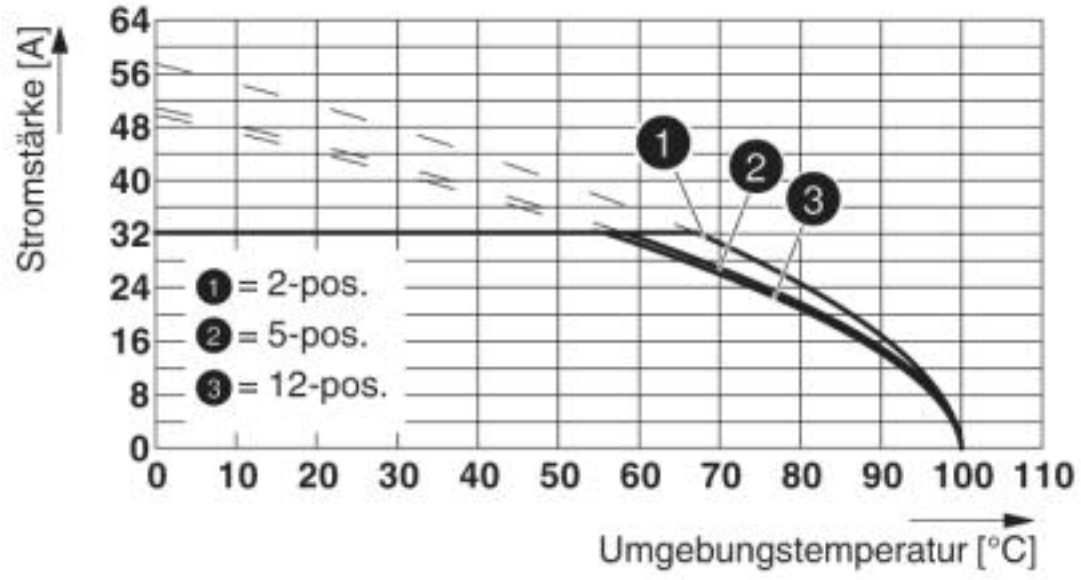


Derating curve for: PC 5/...-ST1-7,62 with PC 5/...-G-7,62Conductor cross section: 10 mm²

Diagram

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

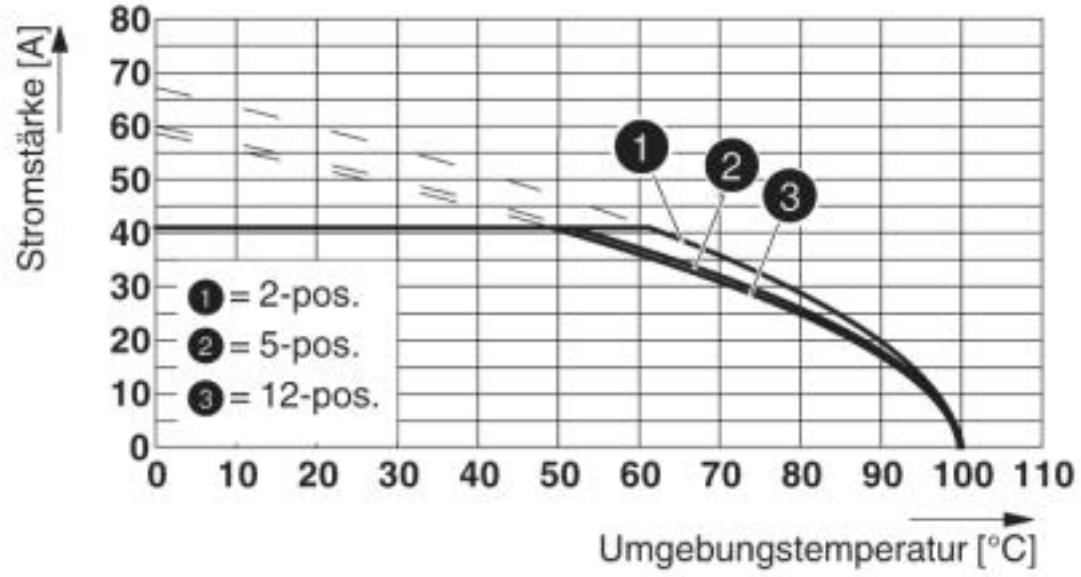
Diagram



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

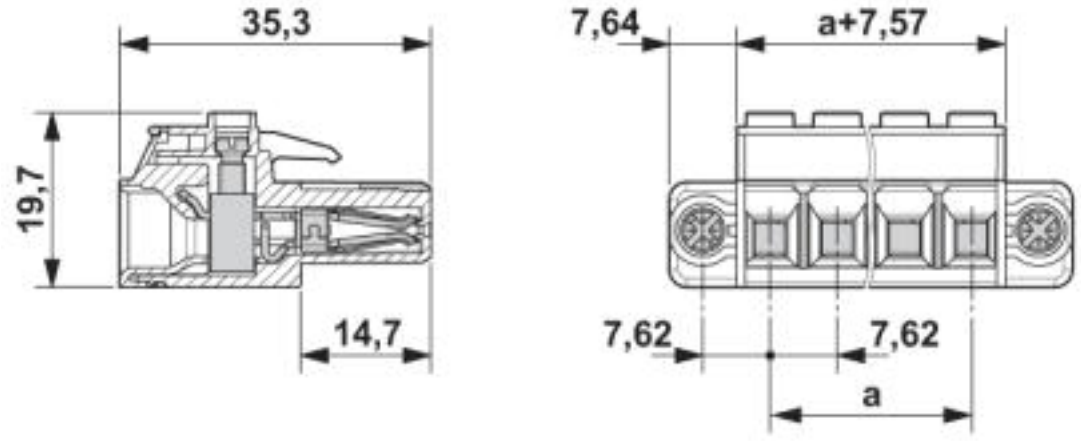
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Diagram



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

Dimensioned drawing



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