Printed-circuit board connector - PC 5/11-ST1-7,62 - 1777817

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Plug component, Nominal current: 41 A, Rated voltage (III/2): 1000 V, Number of positions: 11, Pitch: 7.62 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

Product Features

- Unlimited 600 V UL approval
- Maximum contact reliability due to integrated double steel spring
- CP-PC coding profile as protection against mismatching
- 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	4046356522953

Technical data

Dimensions

Length	35.5 mm
Height	19.7 mm
Pitch	7.62 mm
Dimension a	76.2 mm

General

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/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
Inflammability class according to UL 94	V0
Internal cylindrical gage	A4

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Technical data

General

Stripping length	10 mm
Number of positions	11
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	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

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classifications

eCl@ss

eCl@ss 8.0	27440402

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

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

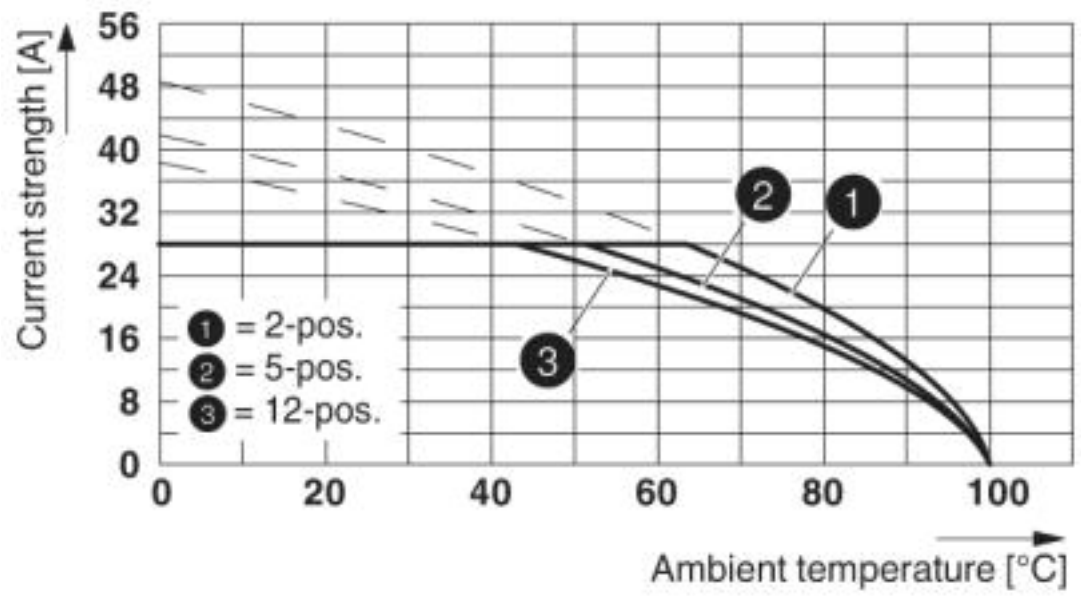
CP-PC RD - 1701967



Drawings

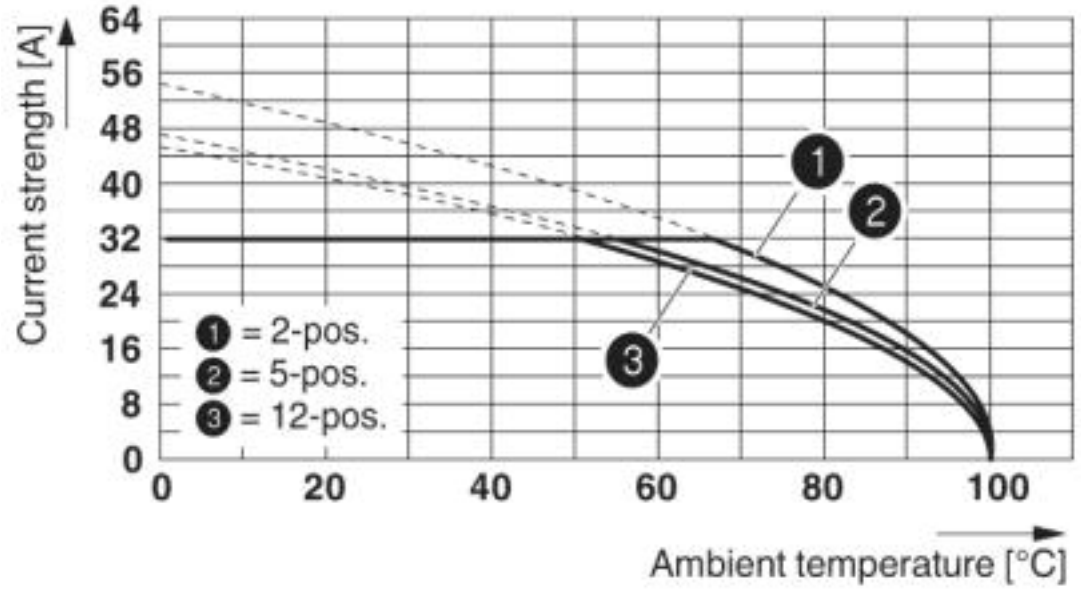
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Diagram



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

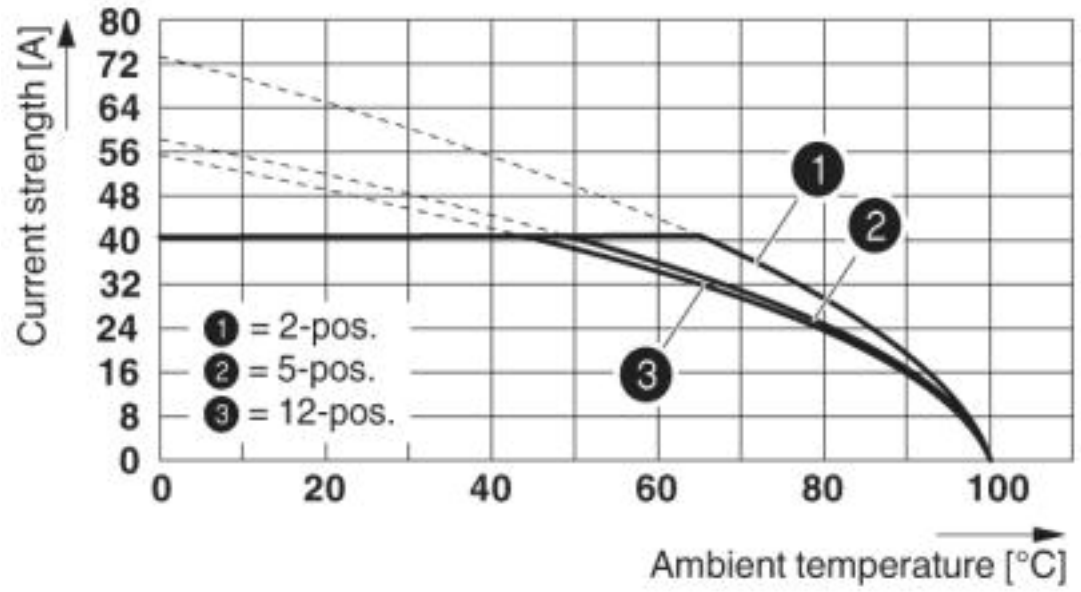
Diagram



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

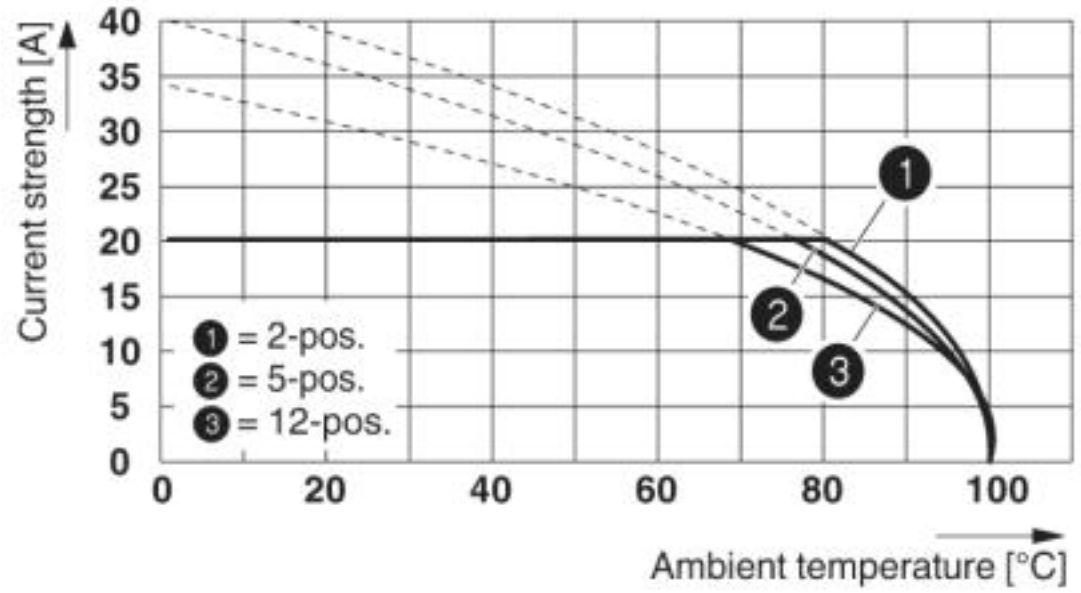
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Diagram



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

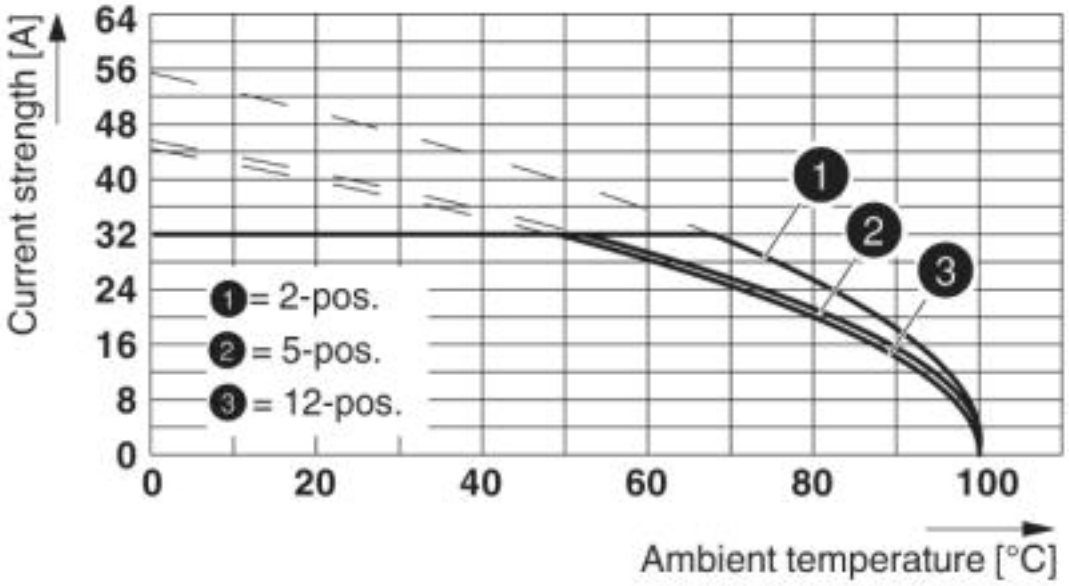
Diagram



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

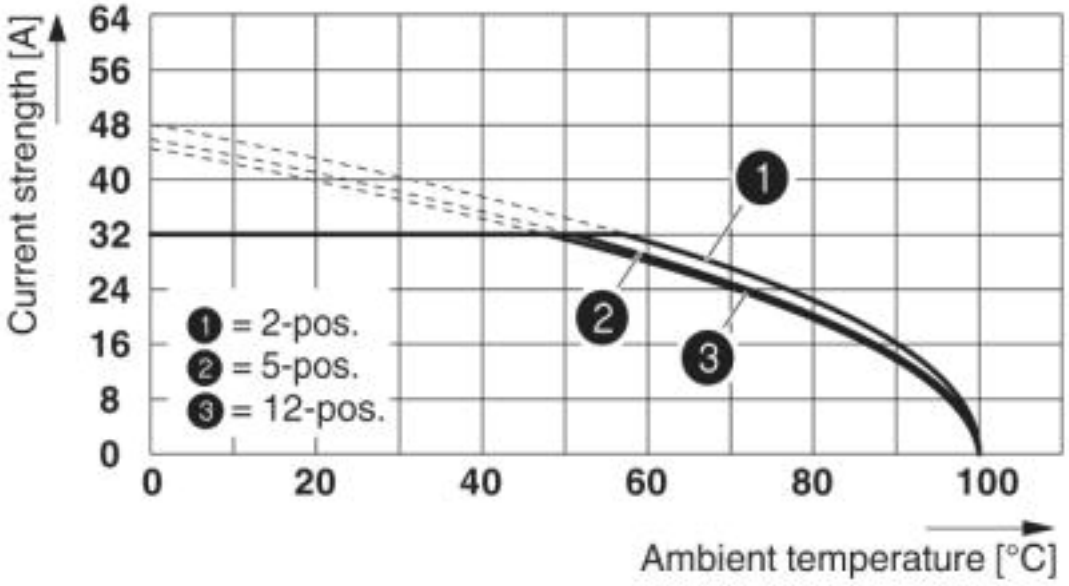
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Diagram



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

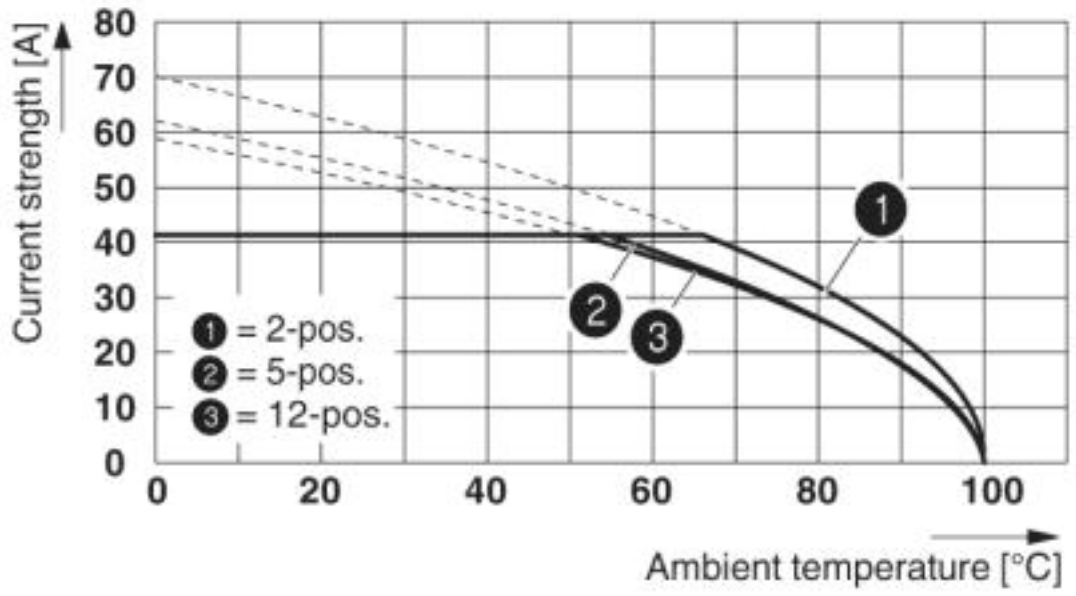
Diagram



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

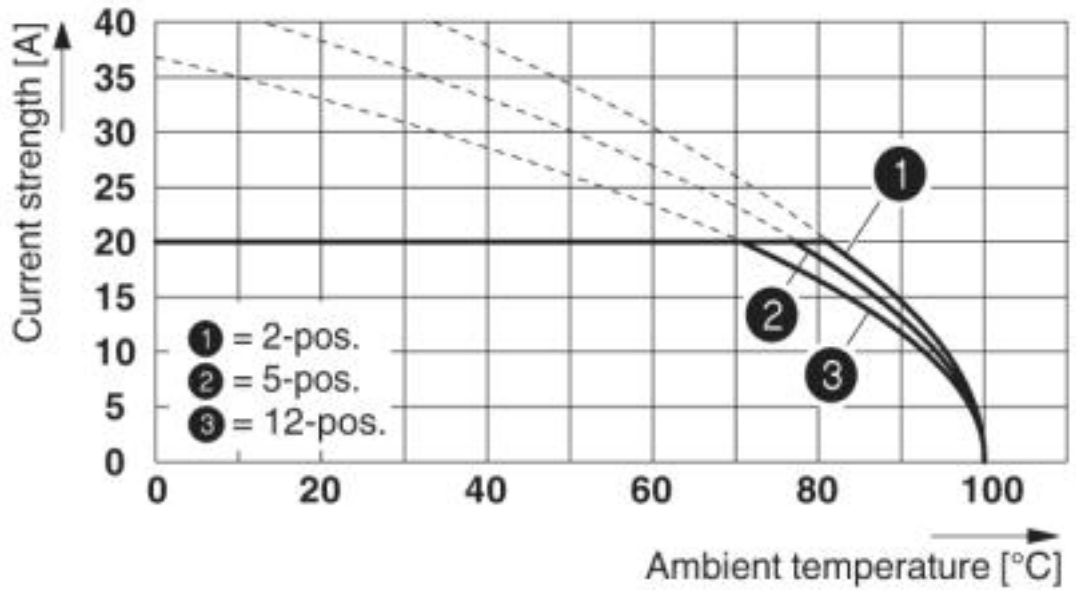
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Diagram



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

Diagram



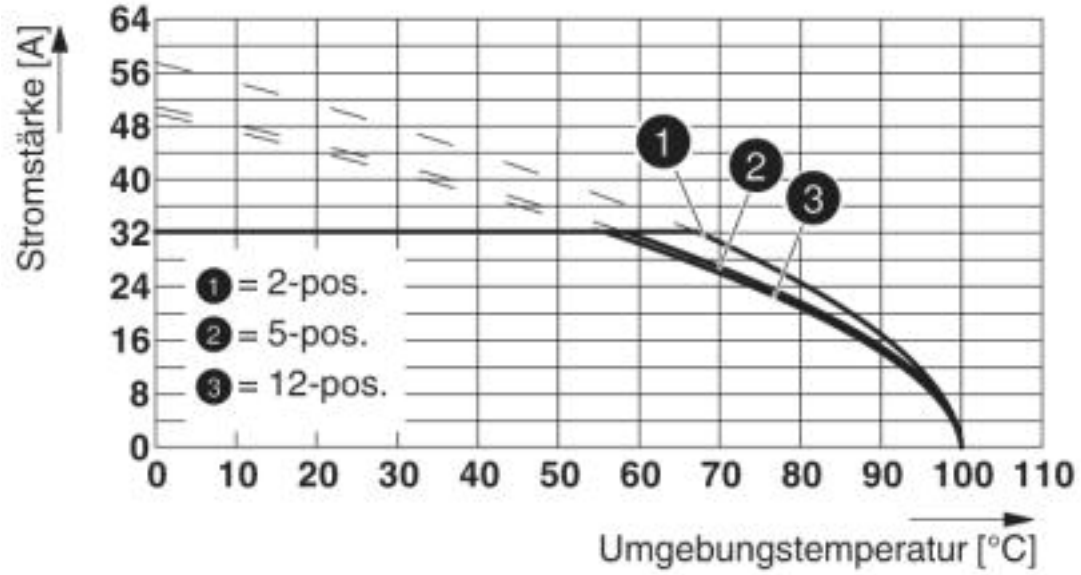
Derating curve for: PC 5/...-ST1-7,62 with PC 4/....-G-7,62Conductor cross section: 6 mm²

Diagram

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

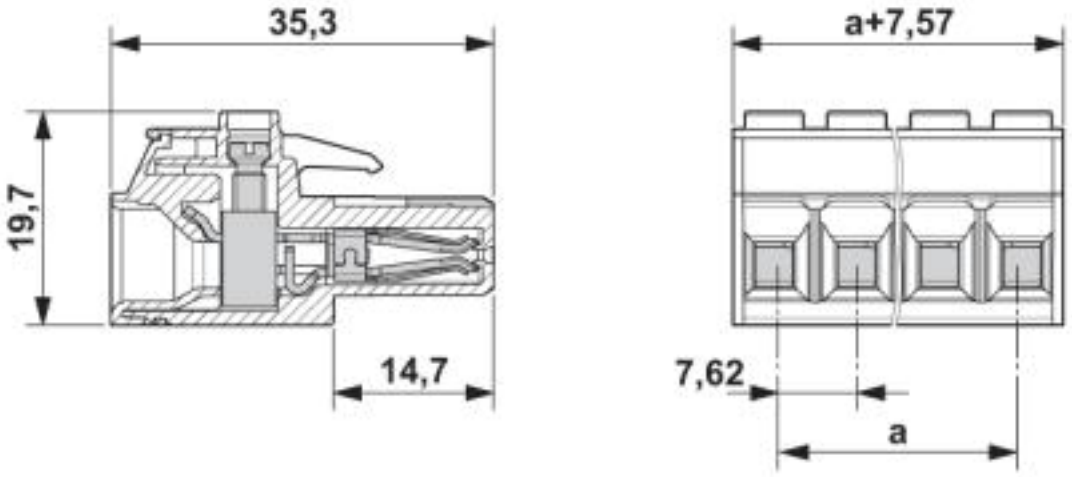
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Diagram



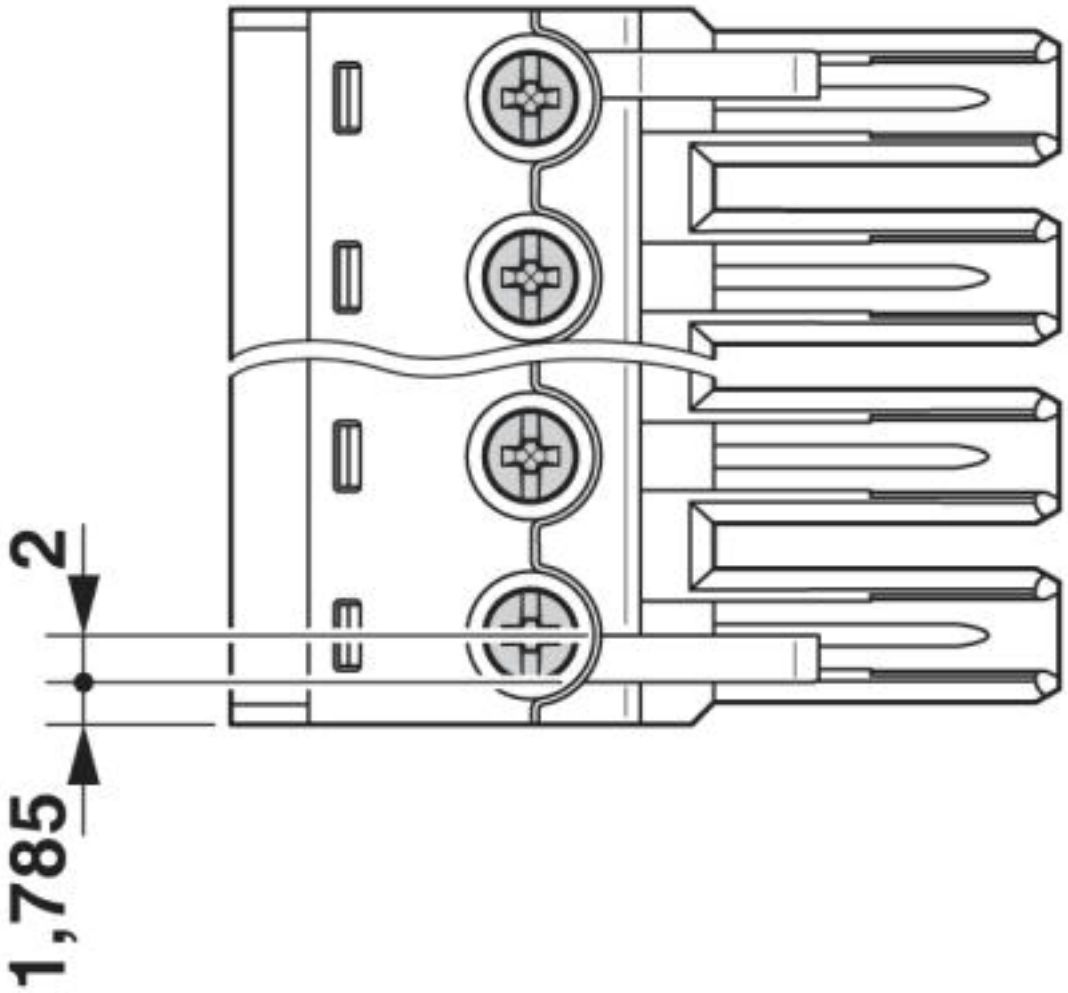
Type: PC 5/...-ST(F)1-7,62 with PC 5/...-GU(F)-7,62 Conductor cross section: 6 mm²

Dimensioned drawing



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Dimensioned drawing



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