Printed-circuit board connector - PC 4/ 7-ST-7,62 - 1804959

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The figure shows a 5-pos. version of the product

Plug component, Nominal current: 20 A, Rated voltage (III/2): 630 V, Number of positions: 7, Pitch: 7.62 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

Product Features

- Plugs can be keyed using CP-PC RD coding profiles
- High-capacity plugs with a current carrying capacity of 20 A
- Vibration-resistant connection by means of screw flange (PC 4/...-STF-7,62)
- Integrated double steel spring as extra safety against contact corrosion
- Screw connection up to 4 mm², stranded

Key commercial data

package_quantity	50
GTIN	4017918046392

Technical data

Dimensions

Height	18.1 mm
Pitch	7.62 mm
Dimension a	45.72 mm

General

Range of articles	PC 4/..-ST
Insulating material group	I
Rated surge voltage (III/3)	6 kV
Rated surge voltage (III/2)	6 kV
Rated surge voltage (II/2)	6 kV
Rated voltage (III/3)	400 V
Rated voltage (III/2)	630 V
Rated voltage (II/2)	1000 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	20 A
Nominal cross section	4 mm²
Maximum load current	20 A
Insulating material	PA

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Technical data

General

Inflammability class according to UL 94	V0
Internal cylindrical gage	A4
Stripping length	7 mm
Number of positions	7
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

Connection data

Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	4 mm²
Conductor cross section stranded min.	0.2 mm²
Conductor cross section stranded max.	4 mm²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm²
Conductor cross section stranded, with ferrule without plastic sleeve max.	4 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.	1.5 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.	0.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	2.5 mm²
Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	10

classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701

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classifications

eCl@ss

eCl@ss 6.0	27260704
eCl@ss 7.0	27440402
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

CSA / UL Recognized / cUL Recognized / GOST / BV / RS / GOST / cULus Recognized /

Approval details

CSA

Usegroups	**B**	**C**
Nominal voltage UN	300 V	300 V
Nominal current IN	20 A	20 A
mm²/AWG/kcmil	28-10	28-10

UL Recognized

Usegroups	**B**	**C**	**D**
Nominal voltage UN	300 V	300 V	600 V
Nominal current IN	20 A	20 A	5 A
mm²/AWG/kcmil	30-10	30-10	30-10

cUL Recognized

Usegroups	**B**	**C**	**D**
Nominal voltage UN	300 V	300 V	600 V

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approvals

Usegroups	B	C	D
Nominal current IN	20 A	20 A	5 A
mm²/AWG/kcmil	30-10	30-10	30-10

GOST

BV

RS

cULus Recognized

accessories

Coding element

CP-PC RD - 1701967



CP-HCC 4 - 1600027



Cable housing

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accessories

KGS-PC 4/ 6-F - 1837353



KGG-PC 4/ 3-F - 1837324



KGG-PC 4/ 3 - 1837227



Labeled terminal marker

SK 7,62/3,8:FORTL.ZAHLEN - 0804549



Screwdriver tools

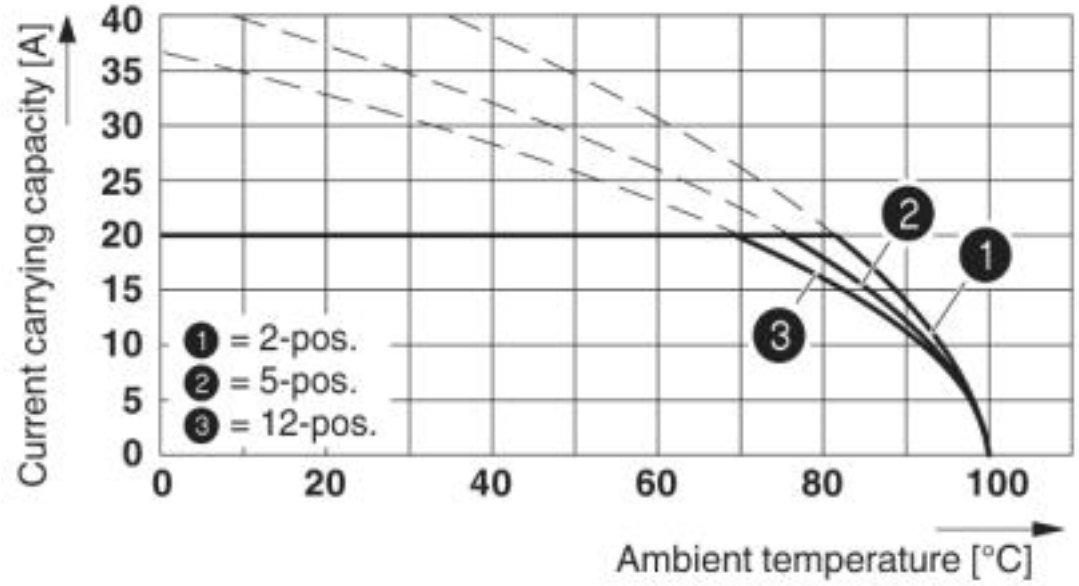
SZS 0,6X3,5 - 1205053



Drawings

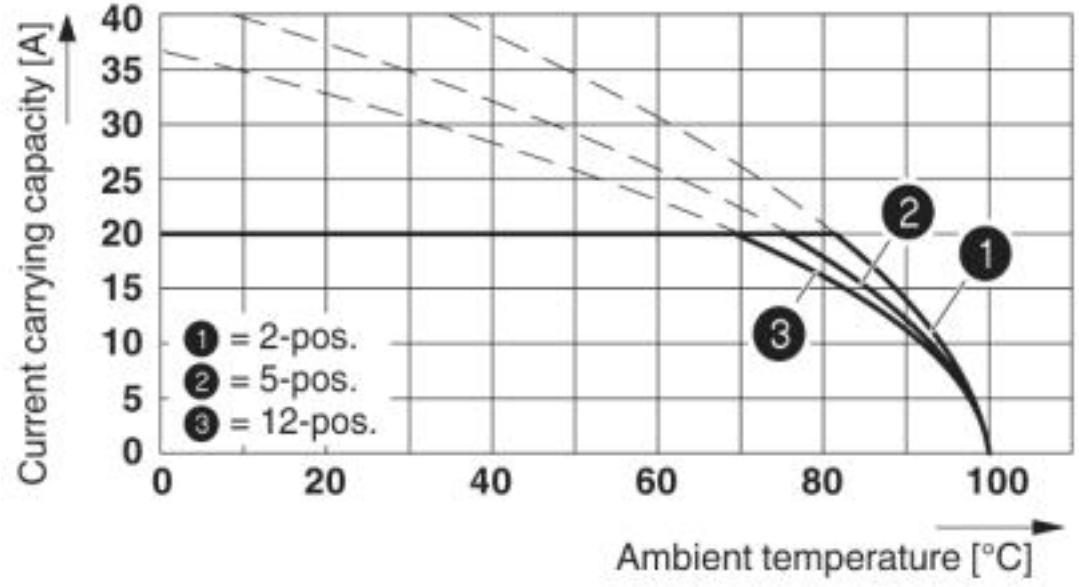
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Diagram



Derating curve for: PC 4/..-ST-7,62 with PC 4/..-G-7,62

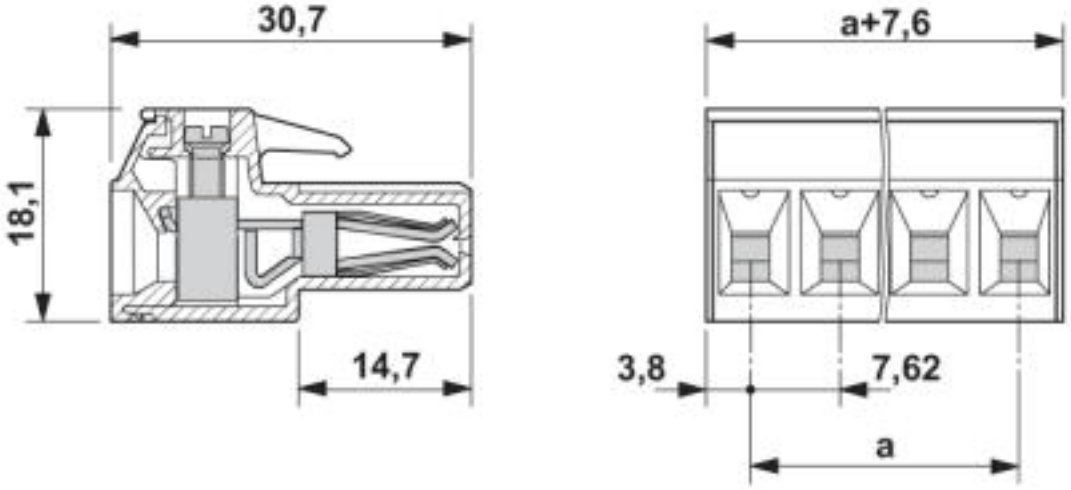
Diagram



Derating curve for: PC 4/..-ST-7,62 with PCV 4/..-G-7,62

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Dimensioned drawing



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