Printed-circuit board connector - PC 4/10-ST-7,62 - 1804988

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://download.phoenixcontact.com)



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: 10, 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	4017918046422

Technical data

Dimensions

Pitch	7.62 mm
Dimension a	68.58 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
Inflammability class according to UL 94	V0

Printed-circuit board connector - PC 4/10-ST-7,62 - 1804988

Technical data

General

Internal cylindrical gage	A4
Stripping length	7 mm
Number of positions	10
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
eCl@ss 6.0	27260704

Printed-circuit board connector - PC 4/10-ST-7,62 - 1804988

classifications

eCl@ss

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
Nominal current IN	20 A	20 A	5 A

Printed-circuit board connector - PC 4/10-ST-7,62 - 1804988

approvals

Usegroups	B	C	D
mm²/AWG/kcmil	30-10	30-10	30-10

GOST

BV

RS

cULus Recognized

accessories

Coding element

CP-PC RD - 1701967



Labeled terminal marker

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



Screwdriver tools

Printed-circuit board connector - PC 4/10-ST-7,62 - 1804988

accessories

SZS 0,6X3,5 - 1205053



Cable housing

KGG-PC 4/ 3 - 1837227



KGG-PC 4/ 3-F - 1837324



KGS-PC 4/ 6 - 1837256



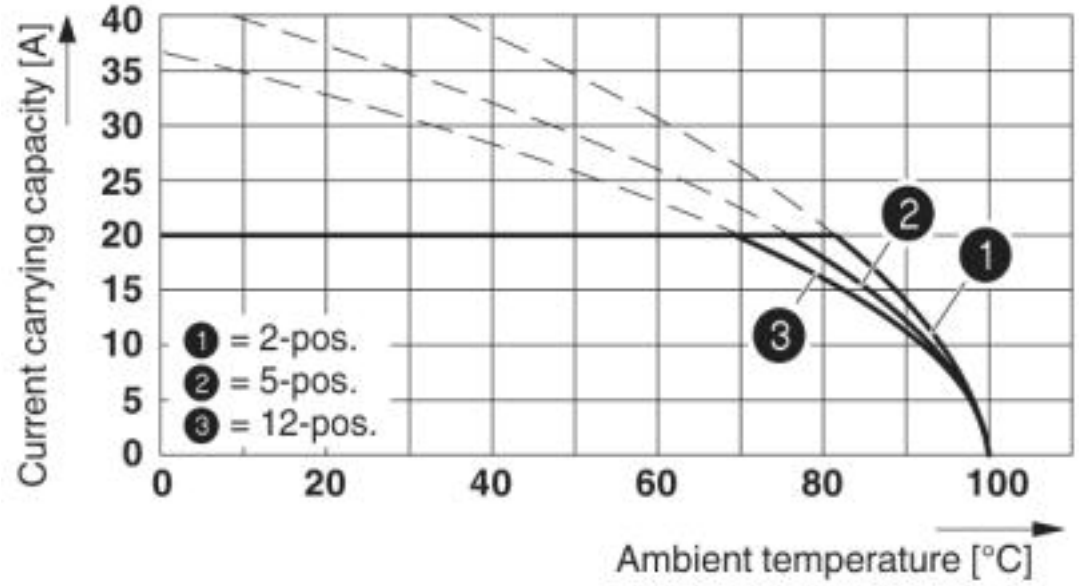
KGS-PC 4/ 6-F - 1837353



Drawings

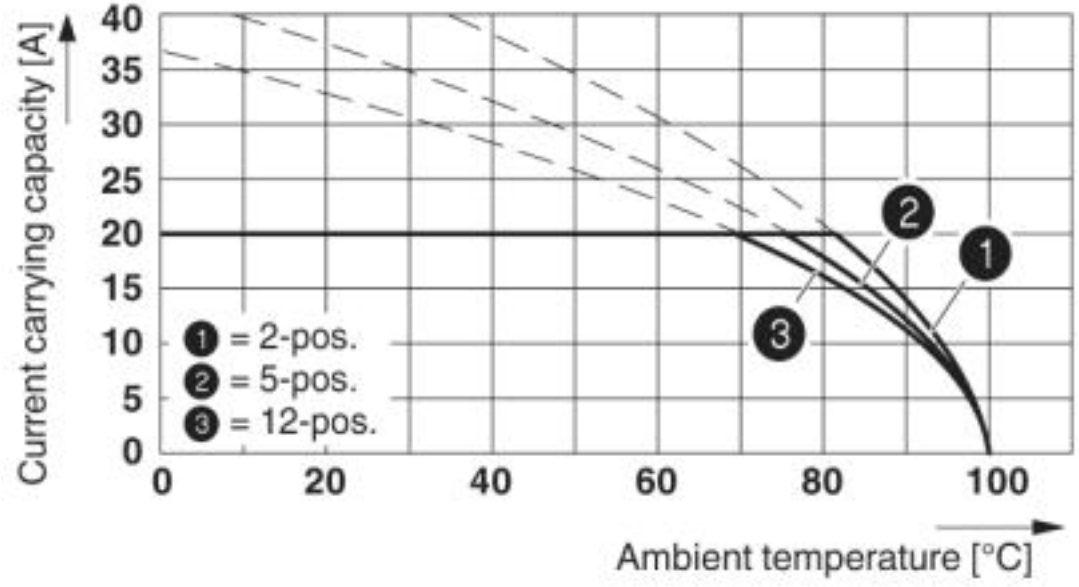
Printed-circuit board connector - PC 4/10-ST-7,62 - 1804988

Diagram



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

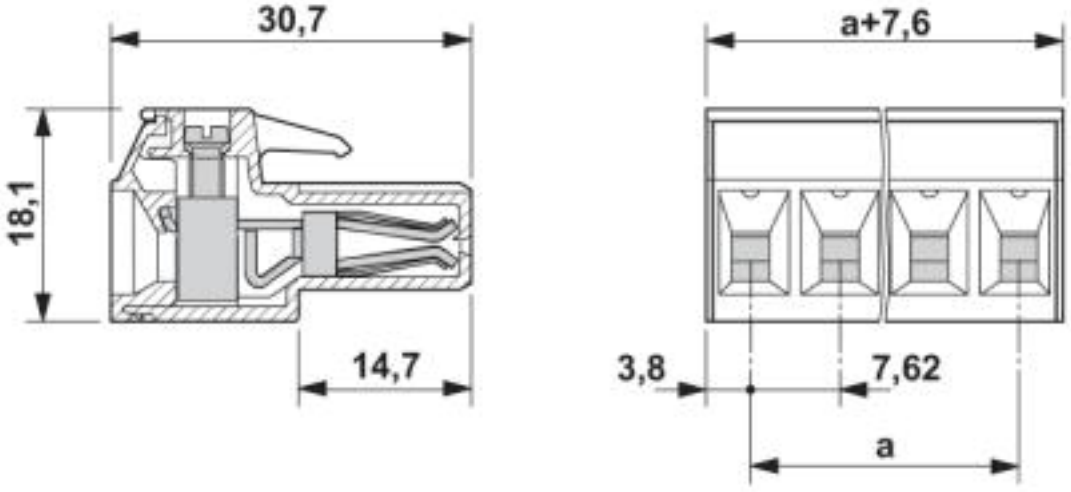
Diagram



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

Printed-circuit board connector - PC 4/10-ST-7,62 - 1804988

Dimensioned drawing



© Phoenix Contact 2013 - all rights reserved
http://www.phoenixcontact.com