

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

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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




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

## Why buy this product

- 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 mm<sup>2</sup>, stranded



## Key commercial data

Packing unit	50 pc
GTIN	 4 017918 046392
Weight per Piece (excluding packing)	28.29 g
Custom tariff number	85366990
Country of origin	Germany

## 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

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

## Technical data

### General

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 mm <sup>2</sup>
Maximum load current	20 A
Insulating material	PA
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 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	4 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	4 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	4 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	10
2 conductors with same cross section, solid min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, solid max.	2.5 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.2 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	2.5 mm <sup>2</sup>
Minimum AWG according to UL/CUL	30

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## Technical data

### Connection data

Maximum AWG according to UL/CUL	10
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## 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
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

### Approvals

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#### Approvals

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

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#### Ex Approvals

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#### Approvals submitted

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### Approval details

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

## Approvals

CSA		
	B	C
mm <sup>2</sup> /AWG/kcmil	28-10	28-10
Nominal current I <sub>N</sub>	20 A	20 A
Nominal voltage U <sub>N</sub>	300 V	300 V

UL Recognized			
	B	C	D
mm <sup>2</sup> /AWG/kcmil	30-10	30-10	30-10
Nominal current I <sub>N</sub>	20 A	20 A	5 A
Nominal voltage U <sub>N</sub>	300 V	300 V	600 V

cUL Recognized			
	B	C	D
mm <sup>2</sup> /AWG/kcmil	30-10	30-10	30-10
Nominal current I <sub>N</sub>	20 A	20 A	5 A
Nominal voltage U <sub>N</sub>	300 V	300 V	600 V

GOST			
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BV
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RS
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GOST			
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cULus Recognized			
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## Accessories

Accessories

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

### Accessories

#### Cable housing

Cable housing - KGS-PC 4/ 6-F - 1837353



Cable housing, Pitch: 0 mm, Number of positions: 6, Dimension a: 47.52 mm, Color: green

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Cable housing - KGG-PC 4/ 3-F - 1837324



Cable housing, Pitch: 0 mm, Number of positions: 3, Dimension a: 24.66 mm, Color: green

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Cable housing - KGG-PC 4/ 3 - 1837227



Cable housing, Pitch: 0 mm, Number of positions: 3, Dimension a: 24.66 mm, Color: green

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#### 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

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Coding profile - CP-HCC 4 - 1600027



Coding profile, Number of positions: 1, Color: red

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#### Labeled terminal marker

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

### Accessories

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



Marker cards, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 100, Mounting type: Adhesive, For terminal block width: 7.62 mm, Lettering field: 7.62 x 3.8 mm

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### 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

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### Additional products

Feed-through terminal block - UPCV3K 4-G-7,62 - 1838381



Feed-through terminal block, Connection method: Screw/plug-in connection, Number of positions: 1, Cross section: 0.2 mm<sup>2</sup> - 4 mm<sup>2</sup>, AWG: 24 - 12, Width: 7.62 mm, Color: gray, Mounting type: NS 32, NS 35/7,5, NS 35/15

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Plug - PCVK 4-7,62-PE - 1876246



Plug component, Nominal current: 20 A, Rated voltage (III/2): 630 V, Number of positions: 1, Pitch: 7.62 mm, Connection method: Screw connection, Color: green-yellow

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Plug-in block - PCVK 4-7,62 - 1849998



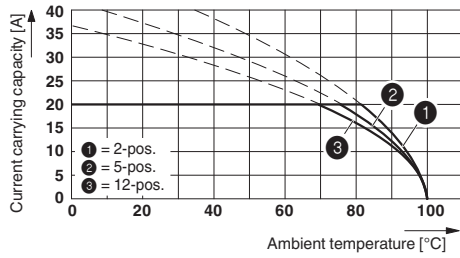
Plug component, Nominal current: 20 A, Rated voltage (III/2): 630 V, Number of positions: 1, Pitch: 7.62 mm, Connection method: Screw connection, Color: green, Contact surface: Tin

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### Drawings

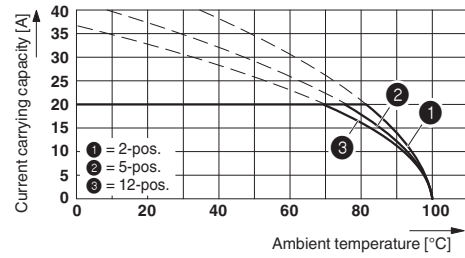
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Diagram



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

Dimensioned drawing

