

# Printed-circuit board connector - PC 4/ 8-STF-7,62 - 1828304

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PCB connector, nominal current: 20 A, rated voltage (III/2): 630 V, number of positions: 8, pitch: 7.62 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin




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

## Why buy this product

- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- Allows connection of two conductors
- Integrated double steel spring provides additional safety in the event of temperature and power fluctuations
- Screwable flange for superior mechanical stability



## Key Commercial Data

Packing unit	50 STK
GTIN	 4 017918 050535
GTIN	4017918050535

## Technical data

### Dimensions

Length [ l ]	30.7 mm
Width [ w ]	76.18 mm
Height [ h ]	18.1 mm
Pitch	7.62 mm
Dimension a	53.34 mm

### General

Range of articles	PC 4/..-STF
Type of contact	Female connector
Number of positions	8
Connection method	Screw connection with tension sleeve

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## Technical data

### General

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 mm <sup>2</sup>
Maximum load current	20 A
Insulating material	PA
Flammability rating according to UL 94	V0
Internal cylindrical gage	A4
Stripping length	7 mm
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 flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	4 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	4 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	4 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG 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>

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## Technical data

### Connection data

Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	10

### Standards and Regulations

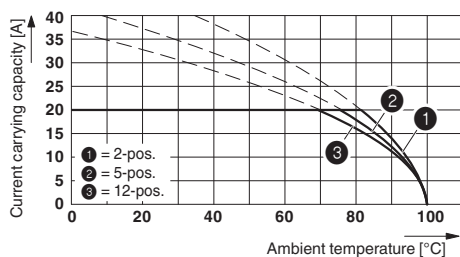
Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V0

### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

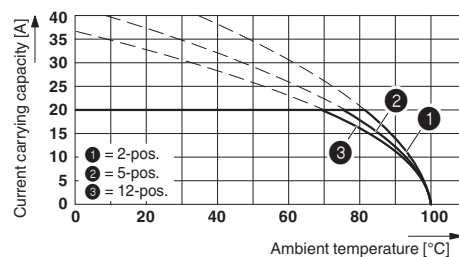
## Drawings

Diagram



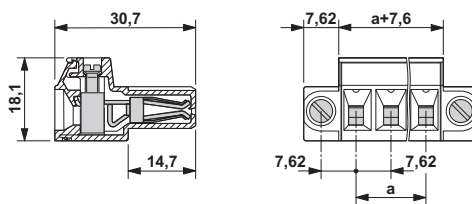
Derating curve for: PC 4/..-ST-7,62 with PC 4/..-G-7,62

Diagram



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

### Dimensional drawing



## Approvals

### Approvals

### Approvals


CSA / LR / BV / EAC / DNV GL / cULus Recognized

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## Approvals

Ex Approvals

### Approval details


CSA		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	13631
	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	

LR		<a href="http://www.lr.org/en">http://www.lr.org/en</a>	96/20012
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BV		<a href="http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials">http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials</a>	35433/AO BV
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EAC			B.01742
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DNV GL		<a href="http://exchange.dnv.com/tari/">http://exchange.dnv.com/tari/</a>	TAE00001EZ
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cULus Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E60425-19920722
	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

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