

Printed-circuit board connector - PC 4/ 8-ST-7,62 - 1804962

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://phoenixcontact.com/download>)

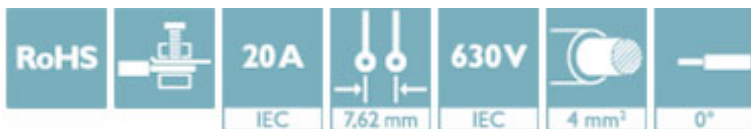
Plug component, Nominal current: 20 A, Rated voltage (III/2): 630 V, Number of positions: 8, Pitch: 7.62 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin



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



Key Commercial Data

Packing unit	50 STK
GTIN	
GTIN	4017918046408
Weight per Piece (excluding packing)	33.920 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Width	60.94 mm
Pitch	7.62 mm
Dimension a	53.34 mm

General

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

Printed-circuit board connector - PC 4/ 8-ST-7,62 - 1804962

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 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 ²
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 ²
Conductor cross section solid max.	4 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	4 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	4 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	4 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	10
2 conductors with same cross section, solid min.	0.2 mm ²
2 conductors with same cross section, solid max.	2.5 mm ²
2 conductors with same cross section, stranded min.	0.2 mm ²
2 conductors with same cross section, stranded max.	1.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	2.5 mm ²

Printed-circuit board connector - PC 4/ 8-ST-7,62 - 1804962

Technical data

Connection data

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

Standards and Regulations

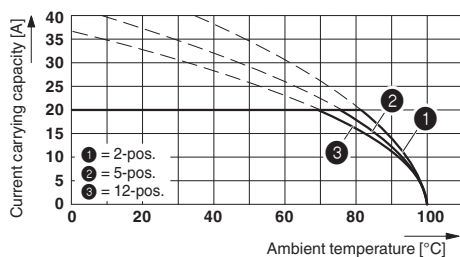
Connection in acc. with standard	EN-VDE
	CSA
Flammability rating according to UL 94	V0

Environmental Product Compliance

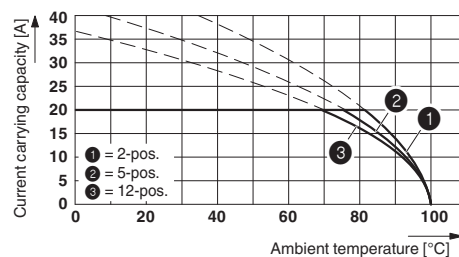
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Diagram



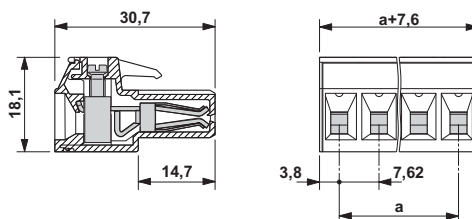
Diagram



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

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

Dimensional drawing



Approvals

Approvals

Approvals

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


Printed-circuit board connector - PC 4/ 8-ST-7,62 - 1804962


Approvals

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services/testing-and-certification/certified-product-listing/	13631
		B	C
mm ² /AWG/kcmil		28-10	28-10
Nominal current IN		20 A	20 A
Nominal voltage UN		300 V	300 V

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425	
		B	C	D
mm ² /AWG/kcmil		30-10	30-10	30-10
Nominal current IN		20 A	20 A	5 A
Nominal voltage UN		300 V	300 V	600 V

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425	
		B	C	D
mm ² /AWG/kcmil		30-10	30-10	30-10
Nominal current IN		20 A	20 A	5 A
Nominal voltage UN		300 V	300 V	600 V

BV		http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials	35433/AO BV
----	---	---	-------------

RS		http://www.rs-head.spb.ru/en/index.php	10.04059.250
----	---	---	--------------

EAC			B.01742
-----	---	--	---------

Printed-circuit board connector - PC 4/ 8-ST-7,62 - 1804962

Approvals

cULus Recognized



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

Phoenix Contact 2017 © - all rights reserved
<http://www.phoenixcontact.com>