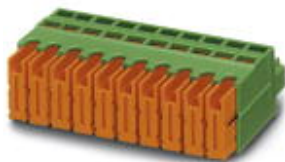


## Printed-circuit board connector - QC 0,5/ 3-ST-3,81 - 1897403

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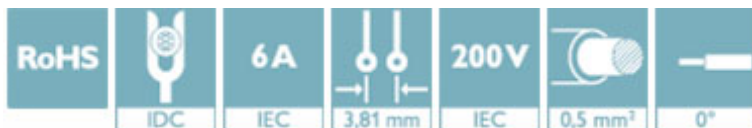
PCB connector, nominal current: 6 A, rated voltage (III/2): 200 V, number of positions: 3, pitch: 3.81 mm, connection method: Displacement connection, color: green, contact surface: Tin




The figure shows a 10-position version of the product

### Why buy this product

- Connection without conductor pretreatment for huge time savings
- Quick and convenient testing using integrated test option



### Key Commercial Data

Packing unit	50 pc
GTIN	 4 017918 164904
GTIN	4017918164904

### Technical data

#### Dimensions

Length [ l ]	26.8 mm
Width [ w ]	12.22 mm
Height [ h ]	12.9 mm
Pitch	3.81 mm
Dimension a	7.62 mm

#### General

Range of articles	QC 0,5/...-ST
Type of contact	Female connector
Number of positions	3
Connection method	Displacement connection
Insulating material group	I
Rated surge voltage (III/3)	4 kV

# Printed-circuit board connector - QC 0,5/ 3-ST-3,81 - 1897403

## Technical data

### General

Rated surge voltage (III/2)	4 kV
Rated surge voltage (II/2)	4 kV
Rated voltage (III/3)	200 V
Rated voltage (III/2)	200 V
Rated voltage (II/2)	400 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	6 A
Nominal cross section	0.5 mm <sup>2</sup>
Maximum load current	6 A (with 0.5 mm <sup>2</sup> conductor cross section)
Insulating material	PA
Flammability rating according to UL 94	V0

### Connection data

Conductor cross section flexible min.	0.34 mm <sup>2</sup>
Conductor cross section flexible max.	0.5 mm <sup>2</sup>
Conductor cross section AWG min.	22
Conductor cross section AWG max.	20
Minimum AWG according to UL/CUL	24
Maximum AWG according to UL/CUL	20
Wire diameter incl. insulation	2.2 mm

### Standards and Regulations

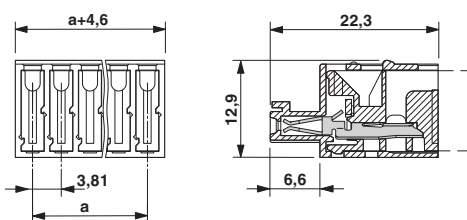
Connection in acc. with standard	EN-VDE
	CUL
Flammability rating according to UL 94	V0

### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Drawings

Dimensional drawing



# Printed-circuit board connector - QC 0,5/ 3-ST-3,81 - 1897403

## Approvals


### Approvals


#### Approvals


UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / IECCEB Scheme / EAC / cULus Recognized


#### Ex Approvals

### Approval details

UL 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>	FILE E 60425
	B	C	
Nominal voltage UN	300 V	300 V	
Nominal current IN	6 A	6 A	
mm <sup>2</sup> /AWG/kcmil	24-20	24-20	


VDE Gutachten mit Fertigungsüberwachung		<a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a>	40011723
Nominal voltage UN	320 V		
Nominal current IN	5 A		
mm <sup>2</sup> /AWG/kcmil	0.34-0.5		


cUL 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>	FILE E 60425
	B	C	
Nominal voltage UN	300 V	300 V	
Nominal current IN	6 A	6 A	
mm <sup>2</sup> /AWG/kcmil	24-20	24-20	

IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-60604-B1B2
Nominal voltage UN	320 V		
Nominal current IN	5 A		
mm <sup>2</sup> /AWG/kcmil	0.34-0.5		

## Printed-circuit board connector - QC 0,5/ 3-ST-3,81 - 1897403

### Approvals

EAC		B.01742
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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>
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