

# Printed-circuit board connector - PC 5/ 9-G-7,62 - 1720534

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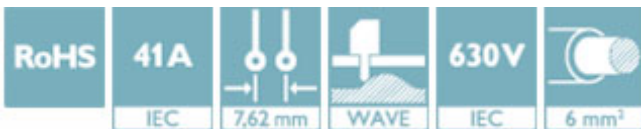
PCB headers, nominal current: 41 A, rated voltage (III/2): 630 V, number of positions: 9, pitch: 7.62 mm, color: green, contact surface: Tin, mounting: Wave soldering




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

## Why buy this product

- ✓ Well-known mounting principle allows worldwide use
- ✓ Standard header – also suitable for connectors with automatically locking Click and Lock system
- ✓ Maximum flexibility when it comes to device design – one header for connectors with different connection technologies



## Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 50 STK  |
| GTIN         | <br>4 046356 113724 |
| GTIN         | 4046356113724   |

## Technical data

### Dimensions

|                          |           |
|--------------------------|-----------|
| Length [ l ]             | 29.25 mm  |
| Pitch                    | 7.62 mm   |
| Dimension a              | 60.96 mm  |
| Width [ w ]              | 71.38 mm  |
| Constructional height    | 14.29 mm  |
| Height [ h ]             | 19.29 mm  |
| Length of the solder pin | 5 mm      |
| Pin dimensions           | 0,8 x 1,0 |
| Pin spacing              | 7.62 mm   |
| Hole diameter            | 1.3 mm    |

### General

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## Technical data

### General

|  |           |
|--|-----------|
| Range of articles                      | PC 5/..-G |
| 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)                  | 630 V     |
| Rated voltage (III/2)                  | 630 V     |
| Rated voltage (II/2)                   | 1000 V    |
| Connection in acc. with standard       | EN-VDE    |
| Nominal current $I_N$                  | 41 A      |
| Maximum load current                   | 41 A      |
| Insulating material                    | PA        |
| Flammability rating according to UL 94 | V0        |
| Color                                  | green     |
| Number of positions                    | 9         |

### Standards and Regulations

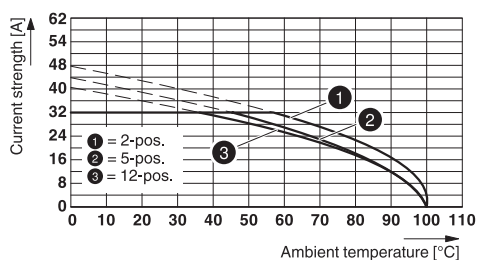
|  |        |
|--|--------|
| Connection in acc. with standard       | EN-VDE |
|  | CUL    |
| Flammability rating according to UL 94 | V0     |

### Environmental Product Compliance

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

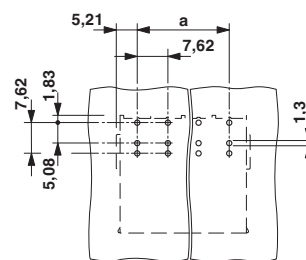
## Drawings

Diagram



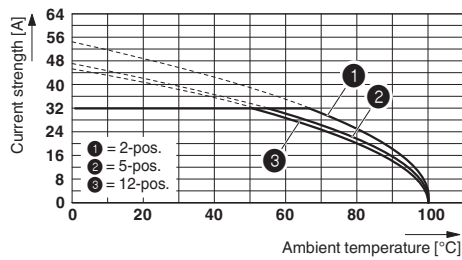
Derating curve for: SPC 5/...-ST-7,62 with PC 5/...-G-7,62

Drilling diagram



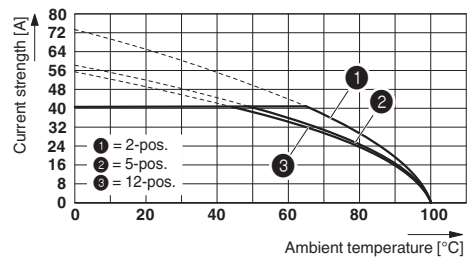
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Diagram



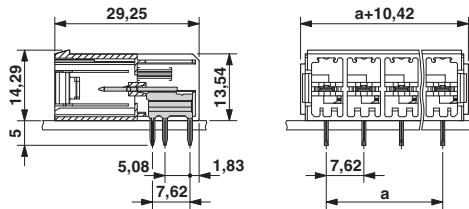
Derating curve for: PC 5/...-ST1-7,62 with PC 5/...-G-7,62  
 Conductor cross section: 6 mm<sup>2</sup>

Diagram



Derating curve for: PC 5/...-ST1-7,62 with PC 5/...-G-7,62  
 Conductor cross section: 10 mm<sup>2</sup>

Dimensional drawing



## Approvals

Approvals

Approvals

EAC / cULus Recognized

Ex Approvals

## Approval details

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

|                                |       |   |                 |
|--------------------------------|-------|---|-----------------|
| 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               |
| Nominal current I <sub>N</sub> | 41 A  | 41 A  | 5 A             |
| Nominal voltage U <sub>N</sub> | 300 V | 150 V   | 600 V           |

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PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>