

## Printed-circuit board connector - PC 5/ 2-G-7,62 - 1720466

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Header, Nominal current: 41 A, Rated voltage (III/2): 630 V, Number of positions: 2, 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                                                                                                  |
| Minimum order quantity               | 50 STK                                                                                                  |
| GTIN                                 | <br>4 046356 111355 |
| GTIN                                 | 4046356111355                                                                                           |
| Weight per Piece (excluding packing) | 4.590 g                                                                                                 |
| Custom tariff number                 | 85366990                                                                                                |
| Country of origin                    | Germany                                                                                                 |

### Technical data

#### Dimensions

|                          |            |
|--------------------------|------------|
| Length                   | 29.25 mm   |
| Pitch                    | 7.62 mm    |
| Dimension a              | 7.62 mm    |
| Constructional height    | 14.29 mm   |
| Length of the solder pin | 5 mm       |
| Pin dimensions           | 0,8 x 1 mm |
| Pin spacing              | 7.62 mm    |
| Hole diameter            | 1.3 mm     |

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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                    | 2          |

### Standards and Regulations

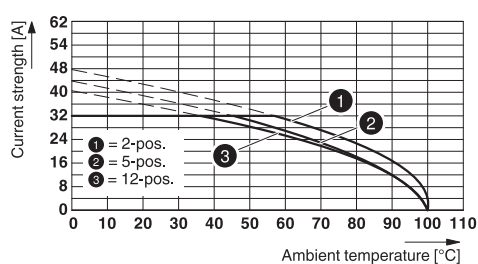
|                                        |        |
|----------------------------------------|--------|
| Connection in acc. with standard       | EN-VDE |
|                                        | CUL    |
| Flammability rating according to UL 94 | V0     |

### Environmental Product Compliance

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

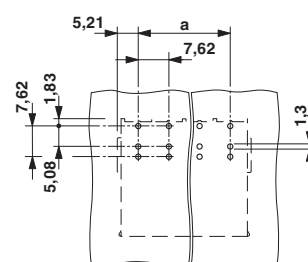
## Drawings

Diagram



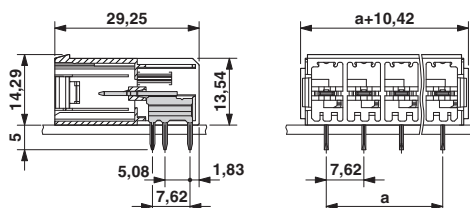
Derating curve for: SPC 5/...-ST-7,62 with PC 5/...-G-7,62

Drilling diagram



## Printed-circuit board connector - PC 5/ 2-G-7,62 - 1720466

Dimensional drawing



### 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 |
| eCl@ss 9.0 | 27440402 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002637 |
| ETIM 5.0 | EC002637 |
| ETIM 6.0 | EC002637 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211810 |
| UNSPSC 7.0901 | 39121409 |
| UNSPSC 11     | 39121409 |
| UNSPSC 12.01  | 39121409 |
| UNSPSC 13.2   | 39121409 |

### Approvals

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UL Recognized / cUL Recognized / EAC / cULus Recognized

#### Ex Approvals

## Printed-circuit board connector - PC 5/ 2-G-7,62 - 1720466

### 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                                                                                                                                                     | D            |
| Nominal current I <sub>N</sub> | 41 A                                                                              | 41 A                                                                                                                                                  | 10 A         |
| Nominal voltage U <sub>N</sub> | 300 V                                                                             | 150 V                                                                                                                                                 | 300 V        |

|                                |                                                                                   |                                                                                                                                                       |              |
|--------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| 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                                                                                                                                                     | D            |
| Nominal current I <sub>N</sub> | 41 A                                                                              | 41 A                                                                                                                                                  | 10 A         |
| Nominal voltage U <sub>N</sub> | 300 V                                                                             | 150 V                                                                                                                                                 | 300 V        |

|     |                                                                                     |         |
|-----|-------------------------------------------------------------------------------------|---------|
| 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> |
|------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|

### Accessories

#### Accessories

#### 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

#### Labeled terminal marker

## Printed-circuit board connector - PC 5/ 2-G-7,62 - 1720466

### Accessories

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



Marker card, 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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Marker card - SK 3,8 REEL P7,62 WH CUS - 0825128



Marker card, can be ordered: By card, white, labeled according to customer specifications, Mounting type: Adhesive, for terminal block width: 7.62 mm, Lettering field: continuous x 3.8 mm

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### Terminal marking

Marker card - SK U/3,8 WH:UNBEDRUCKT - 0803906



Marker card, Sheet, white, unlabeled, can be labeled with: Plotter, Office printing systems, Mounting type: Adhesive, Lettering field: 186 x 3.8 mm

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Marker strip - SK 3,8 WH:REEL - 0805218



Marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL, THERMOMARK X1.2, THERMOMARK S1.1, THERMOMARK ROLL X1, Mounting type: Adhesive, Lettering field: continuous x 3.8 mm

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Accessories - POWERCOMBICON PCB-SHIELD - 1968387



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### Additional products

## Printed-circuit board connector - PC 5/ 2-G-7,62 - 1720466

### Accessories

#### Printed-circuit board connector - TSPC 5/ 2-ST-7,62 - 1728455



Plug component, Nominal current: 41 A, Rated voltage (III/2): 1000 V, Number of positions: 2, Pitch: 7.62 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

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#### Printed-circuit board connector - PC 5/ 2-ST1-7,62 - 1777723



Plug component, Nominal current: 41 A, Rated voltage (III/2): 1000 V, Number of positions: 2, Pitch: 7.62 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

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#### Printed-circuit board connector - SPC 5/ 2-ST-7,62 - 1996016



Plug component, Nominal current: 41 A, Rated voltage (III/2): 1000 V, Number of positions: 2, Pitch: 7.62 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

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#### Printed-circuit board connector - TSPC 5/ 2-STCL-7,62 - 1765418



Plug component, Nominal current: 41 A, Rated voltage (III/2): 1000 V, Number of positions: 2, Pitch: 7.62 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

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#### Printed-circuit board connector - SPC 5/ 2-STCL-7,62 - 1718481



Plug component, Nominal current: 41 A, Rated voltage (III/2): 1000 V, Number of positions: 2, Pitch: 7.62 mm, Connection method: Push-in spring connection, Color: green, Contact surface: Tin

## Printed-circuit board connector - PC 5/ 2-G-7,62 - 1720466

### Accessories

Printed-circuit board connector - PC 5/ 2-STCL1-7,62 - 1778065



Plug component, Nominal current: 41 A, Rated voltage (III/2): 1000 V, Number of positions: 2, Pitch: 7.62 mm, Connection method: Screw connection with tension sleeve, Color: green, Contact surface: Tin

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Printed-circuit board connector - IPC 5/ 2-G-7,62 - 1708381



Header, Nominal current: 41 A, Rated voltage (III/2): 630 V, Number of positions: 2, Pitch: 7.62 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

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Printed-circuit board connector - IPC 5/ 2-GU-7,62 - 1708608



Header, Nominal current: 41 A, Rated voltage (III/2): 630 V, Number of positions: 2, Pitch: 7.62 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering

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Printed-circuit board connector - IPCV 5/ 2-G-7,62 - 1708828



Header, Nominal current: 41 A, Rated voltage (III/2): 630 V, Number of positions: 2, Pitch: 7.62 mm, Color: green, Contact surface: Tin, Mounting: Wave soldering