

# Printed-circuit board connector - PC 4/10-ST-7,62 BK BD:NZ Q - 1908282

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PCB connector, nominal current: 20 A, rated voltage (III/2): 630 V, number of positions: 10, pitch: 7.62 mm, connection method: Screw connection with tension sleeve, color: black, contact surface: Tin

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

## Your advantages

- ✓ 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         | 1             |
| GTIN                 |               |
| GTIN                 | 4017918476991 |
| Custom tariff number | 85366990      |

## Technical data

### Dimensions

|              |          |
|--------------|----------|
| Length [ l ] | 30.7 mm  |
| Width [ w ]  | 76.18 mm |
| Height [ h ] | 18.1 mm  |
| Pitch        | 7.62 mm  |
| Dimension a  | 68.58 mm |

### General

|                     |             |
|---------------------|-------------|
| Range of articles   | PC 4/...-ST |
| Number of positions | 10          |

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## Technical data

### General

|                                        |                                      |
|----------------------------------------|--------------------------------------|
| Connection method                      | Screw connection with tension sleeve |
| 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 | V2                                   |
| 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>  |

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## Technical data

### Connection data

|                                                                                         |         |
|-----------------------------------------------------------------------------------------|---------|
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 2.5 mm² |
| 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 | V2     |

### Environmental Product Compliance

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| REACH SVHC | Lead 7439-92-1                                                                                      |
| China RoHS | Environmentally Friendly Use Period = 50                                                            |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 272607xx |
| eCl@ss 4.1 | 27260701 |
| eCl@ss 5.0 | 27260701 |
| eCl@ss 5.1 | 27260700 |
| eCl@ss 6.0 | 27260700 |
| eCl@ss 7.0 | 27440309 |
| eCl@ss 8.0 | 27440309 |
| eCl@ss 9.0 | 27440309 |

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC002638 |
| ETIM 5.0 | EC002638 |
| ETIM 6.0 | EC002638 |

### UNSPSC

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

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## Approvals

### Approvals

#### Approvals

CSA / RS / BV / EAC / cULus Recognized

#### 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                                                                                                                                       |       |
| Nominal voltage UN | 300 V                                                                             | 300 V                                                                                                                                   |       |
| Nominal current IN | 20 A                                                                              | 20 A                                                                                                                                    |       |
| mm²/AWG/kcmil      | 28-10                                                                             | 28-10                                                                                                                                   |       |

|    |                                                                                     |                                                                                             |              |
|----|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------|
| RS |  | <a href="http://www.rs-head.spb.ru/en/index.php">http://www.rs-head.spb.ru/en/index.php</a> | 17.00014.272 |
|----|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|--------------|

|    |                                                                                     |                                                                                                                                                                                                                               |             |
|----|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| 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 |
|----|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|

|     |                                                                                     |  |         |
|-----|-------------------------------------------------------------------------------------|--|---------|
| 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 |
|                    | D                                                                                   | B                                                                                                                                                     | C               |
| Nominal voltage UN | 600 V                                                                               | 300 V                                                                                                                                                 | 300 V           |
| Nominal current IN | 5 A                                                                                 | 30 A                                                                                                                                                  | 30 A            |
| mm²/AWG/kcmil      | 30-10                                                                               | 30-10                                                                                                                                                 | 30-10           |

## Accessories

### Accessories

## Printed-circuit board connector - PC 4/10-ST-7,62 BK BD:NZ Q - 1908282

### Accessories

#### Cable housing

Cable housing - KGG-PC 4/ 3 - 1837227



Cable housing, pitch: 0 mm, number of positions: 3, dimension a: 24.66 mm, color: green

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Cable housing - KGG-PC 4/ 3-F - 1837324



Cable housing, pitch: 0 mm, number of positions: 3, dimension a: 24.66 mm, color: green

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Cable housing - KGS-PC 4/ 6 - 1837256



Cable housing, pitch: 0 mm, number of positions: 6, dimension a: 47.52 mm, color: green

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Cable housing - KGS-PC 4/ 6-F - 1837353



Cable housing, pitch: 0 mm, number of positions: 6, dimension a: 47.52 mm, color: green

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#### Coding element

Coding profile - CP-HCC 4 - 1600027



Coding profile, pitch: 0 mm, number of positions: 1, color: red

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#### Labeled terminal marker

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### 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 size: 7.62 x 3.8 mm

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### Screwdriver tools

Screwdriver - SZS 0,6X3,5 - 1205053



Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip