

## Printed-circuit board connector - PC 5/ 4-STCL1-7,62 BD:RI-L- - 1705125

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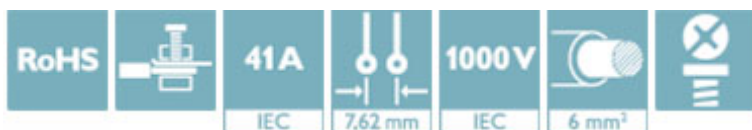
PCB connector, nominal current: 41 A, rated voltage (III/2): 1000 V, number of positions: 4, pitch: 7.62 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Tin



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

### 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
- ✓ 600 V UL approval in the smallest of dimensions
- ✓ The automatically locking Click and Lock system prevents accidental disconnection



### Key Commercial Data

|              |               |
|--------------|---------------|
| Packing unit | 50 pc         |
| GTIN         |               |
| GTIN         | 4046356753616 |

### Technical data

#### Dimensions

|              |          |
|--------------|----------|
| Length [ l ] | 35.3 mm  |
| Width [ w ]  | 38.63 mm |
| Height [ h ] | 19.7 mm  |
| Pitch        | 7.62 mm  |
| Dimension a  | 22.86 mm |

#### General

|                     |                                      |
|---------------------|--------------------------------------|
| Range of articles   | PC 5/...-STCL1                       |
| Number of positions | 4                                    |
| Connection method   | Screw connection with tension sleeve |

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## Technical data

### General

|                             |                                                                                                           |
|-----------------------------|-----------------------------------------------------------------------------------------------------------|
| Rated surge voltage (III/3) | 8 kV                                                                                                      |
| Rated surge voltage (III/2) | 8 kV                                                                                                      |
| Rated surge voltage (II/2)  | 6 kV                                                                                                      |
| Rated voltage (III/3)       | 1000 V                                                                                                    |
| Rated voltage (III/2)       | 1000 V                                                                                                    |
| Rated voltage (II/2)        | 1000 V                                                                                                    |
| Nominal current $I_N$       | 41 A                                                                                                      |
| Nominal cross section       | 6 mm <sup>2</sup>                                                                                         |
| Internal cylindrical gage   | A4                                                                                                        |
| Stripping length            | 10 mm                                                                                                     |
| Screw thread                | M3                                                                                                        |
| Tightening torque, min      | 0.5 Nm                                                                                                    |
| Tightening torque max       | 0.8 Nm                                                                                                    |
| Note                        | Tightening torque $\leq 4$ mm <sup>2</sup> is 0.5 Nm to 0.6 Nm, $> 4$ mm <sup>2</sup> is 0.7 Nm to 0.8 Nm |

### Connection data

|                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                                      | 0.2 mm <sup>2</sup>  |
| Conductor cross section solid max.                                                      | 10 mm <sup>2</sup>   |
| Conductor cross section flexible min.                                                   | 0.2 mm <sup>2</sup>  |
| Conductor cross section flexible max.                                                   | 6 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.              | 6 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.                                     | 4 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. | 0.25 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 2.5 mm <sup>2</sup>  |

### Environmental Product Compliance

|            |                                          |
|------------|------------------------------------------|
| China RoHS | Environmentally Friendly Use Period = 50 |
|------------|------------------------------------------|

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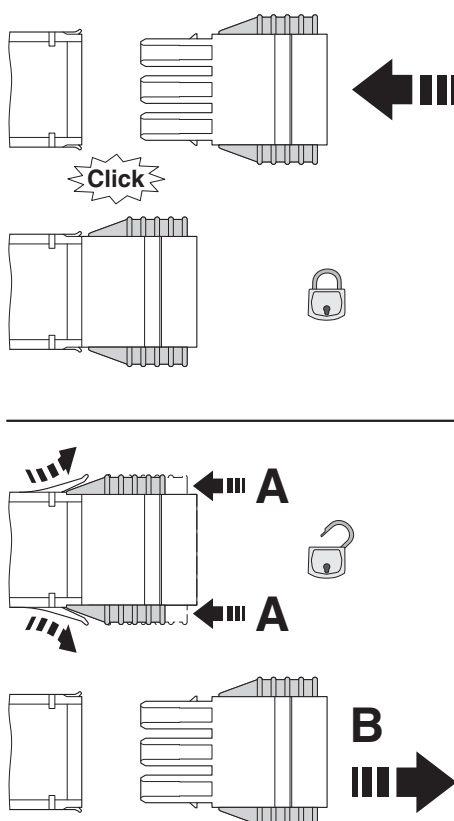
## Technical data

### Environmental Product Compliance

|  |                                                                                                     |
|--|-----------------------------------------------------------------------------------------------------|
|  | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |
|--|-----------------------------------------------------------------------------------------------------|

## Drawings

Schematic diagram



Click and Lock system method of operation

## Approvals

### Approvals

Approvals

EAC / cULus Recognized

Ex Approvals

### Approval details

## Printed-circuit board connector - PC 5/ 4-STCL1-7,62 BD:RI-L- - 1705125

### Approvals

|     |                                                                                   |         |
|-----|-----------------------------------------------------------------------------------|---------|
| 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                                                                                                                                                     |                 |
| Nominal voltage UN | 600 V                                                                             | 600 V                                                                                                                                                 |                 |
| Nominal current IN | 41 A                                                                              | 41 A                                                                                                                                                  |                 |
| mm²/AWG/kcmil      | 24-8                                                                              | 24-8                                                                                                                                                  |                 |

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