

# Printed-circuit board connector - PC 16/ 3-STF-SH-10,16 BKBDWHX3 - 1703258

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PCB connector, nominal current: 76 A, number of positions: 3, pitch: 10.16 mm, connection method: Screw connection with tension sleeve, color: black, contact surface: Silver

The figure shows a 4-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
- ✓ Shield for adherence to the EMC requirements and an optional strain relief
- ✓ Screwable flange for superior mechanical stability
- ✓ Integrated protective guide prevents incorrect insertion of the conductor underneath the tension sleeve



## Key Commercial Data

|                        |               |
|------------------------|---------------|
| Packing unit           | 50 pc         |
| Minimum order quantity | 100 pc        |
| GTIN                   |               |
| GTIN                   | 4046356651585 |

## Technical data

### Dimensions

|              |          |
|--------------|----------|
| Length [ l ] | 89.8 mm  |
| Width [ w ]  | 48.24 mm |
| Height [ h ] | 29.1 mm  |
| Pitch        | 10.16 mm |
| Dimension a  | 20.32 mm |

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## Technical data

### General

|                                  |                                      |
|----------------------------------|--------------------------------------|
| Range of articles                | PC 16/...STF-SH                      |
| Number of positions              | 3                                    |
| Connection method                | Screw connection with tension sleeve |
| Rated voltage (III/3)            | 1000 V                               |
| Connection in acc. with standard | EN-VDE                               |
| Nominal current $I_N$            | 76 A                                 |
| Nominal cross section            | 16 mm <sup>2</sup>                   |

### Connection data

|                                                                                         |                      |
|-----------------------------------------------------------------------------------------|----------------------|
| Conductor cross section solid min.                                                      | 0.75 mm <sup>2</sup> |
| Conductor cross section solid max.                                                      | 16 mm <sup>2</sup>   |
| Conductor cross section flexible min.                                                   | 0.75 mm <sup>2</sup> |
| Conductor cross section flexible max.                                                   | 16 mm <sup>2</sup>   |
| Conductor cross section flexible, with ferrule without plastic sleeve min.              | 0.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule without plastic sleeve max.              | 16 mm <sup>2</sup>   |
| Conductor cross section flexible, with ferrule with plastic sleeve min.                 | 0.5 mm <sup>2</sup>  |
| Conductor cross section flexible, with ferrule with plastic sleeve max.                 | 10 mm <sup>2</sup>   |
| Conductor cross section AWG min.                                                        | 18                   |
| Conductor cross section AWG max.                                                        | 6                    |
| 2 conductors with same cross section, solid min.                                        | 0.75 mm <sup>2</sup> |
| 2 conductors with same cross section, solid max.                                        | 6 mm <sup>2</sup>    |
| 2 conductors with same cross section, stranded min.                                     | 0.75 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded max.                                     | 6 mm <sup>2</sup>    |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.   | 0.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.   | 4 mm <sup>2</sup>    |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 6 mm <sup>2</sup>    |

### Standards and Regulations

|                                  |        |
|----------------------------------|--------|
| Connection in acc. with standard | EN-VDE |
|                                  | CUL    |

### 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" |

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## Approvals

### Approvals

#### Approvals

IECEE CB Scheme / SEV / EAC / cULus Recognized

#### Ex Approvals

### Approval details

|                    |                                                                                   |                                                           |         |
|--------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------|---------|
| IECEE CB Scheme    |  | <a href="http://www.iecee.org/">http://www.iecee.org/</a> | CH-8077 |
| Nominal voltage UN | 1000 V                                                                            |                                                           |         |
| Nominal current IN | 76 A                                                                              |                                                           |         |

|                    |                                                                                     |                                                                                                                                                     |         |
|--------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| SEV                |  | <a href="https://www.electrosuisse.ch/de/meta/shop/produktezertifikate.html">https://www.electrosuisse.ch/de/meta/shop/produktezertifikate.html</a> | IK-3431 |
| Nominal voltage UN | 1000 V                                                                              |                                                                                                                                                     |         |
| Nominal current IN | 76 A                                                                                |                                                                                                                                                     |         |
| mm²/AWG/kcmil      | 16                                                                                  |                                                                                                                                                     |         |

|     |                                                                                     |         |  |
|-----|-------------------------------------------------------------------------------------|---------|--|
| 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> | E60425-20040202 |
|                    | B                                                                                   | C                                                                                                                                                     |                 |
| Nominal voltage UN | 600 V                                                                               | 600 V                                                                                                                                                 |                 |
| Nominal current IN | 55 A                                                                                | 55 A                                                                                                                                                  |                 |
| mm²/AWG/kcmil      | 20-6                                                                                | 20-6                                                                                                                                                  |                 |

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