# Printed-circuit board connector - IPC 16/ 7-STF-SH-10,16 GY BDNZ - 1733893

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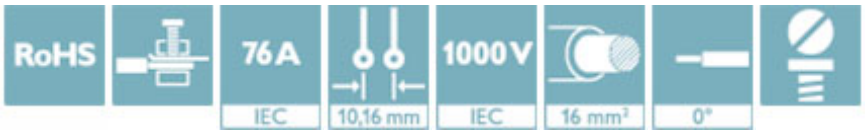
The figure shows a 4-position version

PCB connector, nominal current: 76 A, rated voltage (III/2): 1000 V, number of positions: 7, pitch: 10.16 mm, connection method: Screw connection with tension sleeve, color: gray, contact surface: Silver

## Your advantages

- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- Allows connection of two conductors
- Inverted connector with pin contacts for touch-proof device outputs or free-hanging cable/cable connections
- Shield for adherence to the EMC requirements and an optional strain relief
- Screwable flange for superior mechanical stability




## Key Commercial Data

| | |
|---|---|
| Packing unit | 50 pc |
| GTIN | 4 046356 169011 |
| GTIN | 4046356169011 |

## Technical data

### Dimensions

| | |
|---|---|
| Length [ l ] | 122 mm |
| Width [ w ] | 88.88 mm |
| Height [ h ] | 29.05 mm |
| Pitch | 10.16 mm |
| Dimension a | 60.96 mm |

### General

| | |
|---|---|
| Range of articles | IPC 16/..-STF-SH |

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## Technical data

### General

| | |
|---|---|
| Number of positions | 7 |
| Connection method | Screw connection with tension sleeve |
| Insulating material group | I |
| 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 |
| Connection in acc. with standard | EN-VDE |
| Nominal current $I_N$ | 76 A |
| Nominal cross section | 16 mm² |
| Maximum load current | 76 A |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Internal cylindrical gage | A6 |
| Stripping length | 14 mm |
| Screw thread | M4 |
| Tightening torque, min | 1.7 Nm |
| Tightening torque max | 1.8 Nm |

### Connection data

| | |
|---|---|
| Conductor cross section solid min. | 0.75 mm² |
| Conductor cross section solid max. | 16 mm² |
| Conductor cross section flexible min. | 0.75 mm² |
| Conductor cross section flexible max. | 16 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.5 mm² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 16 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.5 mm² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 10 mm² |
| Conductor cross section AWG min. | 18 |
| Conductor cross section AWG max. | 6 |
| 2 conductors with same cross section, solid min. | 0.75 mm² |
| 2 conductors with same cross section, solid max. | 6 mm² |
| 2 conductors with same cross section, stranded min. | 0.75 mm² |
| 2 conductors with same cross section, stranded max. | 6 mm² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, min. | 0.5 mm² |
| 2 conductors with same cross section, stranded, ferrules without plastic sleeve, max. | 4 mm² |

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## Technical data

### Connection data

| | |
|---|---|
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.5 mm² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 6 mm² |
| Minimum AWG according to UL/CUL | 20 |
| Maximum AWG according to UL/CUL | 6 |

### Standards and Regulations

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

### 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” |

## Approvals

### Approvals

Approvals

IECEE CB Scheme / SEV / EAC / cULus Recognized

Ex Approvals

### Approval details

| | | | |
|---|---|---|---|
| IECEE CB Scheme | CB scheme | http://www.iecee.org/ | CH-8077 |

| | |
|---|---|
| | |
| Nominal voltage UN | 1000 V |
| Nominal current IN | 76 A |

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## Approvals

| | | | |
|---|---|---|---|
| SEV |  | https://www.electrosuisse.ch/de/meta/shop/produktezertifikate.html | IK-3431 |

| | |
|---|---|
| Nominal voltage UN | 1000 V |
| Nominal current IN | 76 A |
| mm²/AWG/kcmil | 16 |

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

| | | | |
|---|---|---|---|
| cULus Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | 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 |



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

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