

Printed-circuit board connector - SPC 16/ 6-STF-10,16 - 1711417

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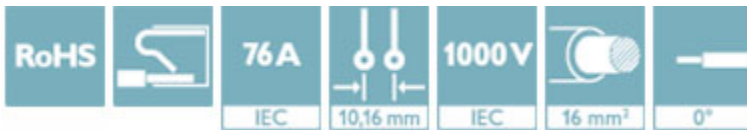
PCB connector, nominal current: 76 A, rated voltage (III/2): 1000 V, number of positions: 6, pitch: 10.16 mm, connection method: Push-in spring connection, color: green, contact surface: Silver




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

Your advantages

- ✓ Time saving push-in connection, tools not required
- ✓ Defined contact force ensures that contact remains stable over the long term
- ✓ Clamping space opened by means of fixed screwdriver enables convenient conductor connection
- ✓ Integrated double steel spring provides additional safety in the event of temperature and power fluctuations
- ✓ Optimized for tight installation situations: operation and conductor connection from one direction
- ✓ Screwable flange for superior mechanical stability



Key Commercial Data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| GTIN |  4 046356 081160 |
| GTIN | 4046356081160 |
| Weight per Piece (excluding packing) | 52.070 g |
| Custom tariff number | 85366990 |
| Country of origin | India |

Technical data

Dimensions

| | |
|--------------|----------|
| Length [l] | 44.5 mm |
| Width [w] | 78.72 mm |
| Height [h] | 25.1 mm |

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Technical data

Dimensions

| | |
|-------------|----------|
| Pitch | 10.16 mm |
| Dimension a | 50.8 mm |

General

| | |
|--|---------------------------|
| Range of articles | SPC 16/..-STF |
| Number of positions | 6 |
| Connection method | Push-in spring connection |
| 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 mm ² |
| Maximum load current | 76 A |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Stripping length | 18 mm |

Connection data

| | |
|---|----------------------|
| Conductor cross section solid min. | 0.75 mm ² |
| Conductor cross section solid max. | 16 mm ² |
| Conductor cross section flexible min. | 0.75 mm ² |
| Conductor cross section flexible max. | 16 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 0.75 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 16 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 0.75 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 10 mm ² |
| Conductor cross section AWG min. | 18 |
| Conductor cross section AWG max. | 4 |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 0.75 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 4 mm ² |
| Minimum AWG according to UL/CUL | 20 |
| Maximum AWG according to UL/CUL | 4 |

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Technical data

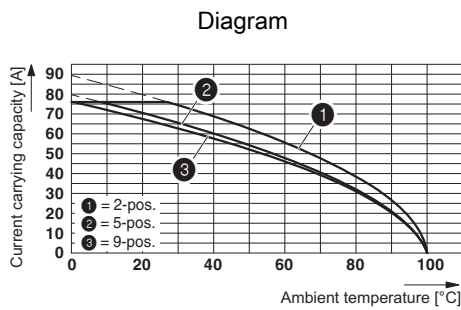
Standards and Regulations

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

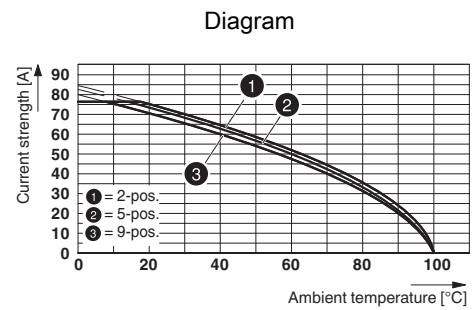
Environmental Product Compliance

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

Drawings

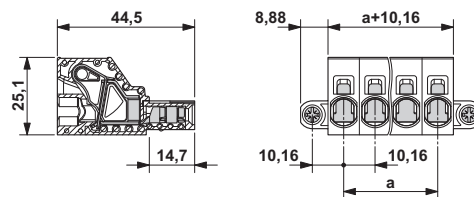


Type: SPC 16/...-ST-10,16 with PC 6-16/...-G1-10,16



Type: SPC 16/...-ST(F)-10,16 with DFK-PC 16/...-ST(F)-10,16

Dimensional drawing



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 |

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Classifications

eCl@ss

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

Approvals


Approvals

Approvals

IECEE CB Scheme / SEV / EAC / cULus Recognized

Ex Approvals

Approval details

| | | | |
|--------------------|---|---|---------|
| IECEE 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 | |
| mm ² /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 | 66 A | 66 A | |
| mm ² /AWG/kcmil | 20-4 | 20-4 | |

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

Crimping tool

Crimping pliers - CRIMPFOX 6 - 1212034



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm² ... 6.0 mm², lateral entry, trapezoidal crimp

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Accessories

Crimping pliers - CRIMPFOX 16 S - 1207983



Crimping pliers for ferrules up to 16 mm²

Screwdriver tools

Screwdriver - SZF 2-0,8X4,0 - 1204520



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.8 x 4.0 x 100 mm, 2-component grip, with non-slip grip

Terminal marking

Marker strip - SK 5,0 WH:REEL - 0805221



Marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, for terminal block width: 5 mm, lettering field size: continuous x 5 mm

Additional products

Feed-through header - PCV 6-16/ 6-G1F-10,16 - 1998904



PCB headers, nominal current: 76 A, rated voltage (III/2): 1000 V, number of positions: 6, pitch: 10.16 mm, color: green, contact surface: Silver, mounting: Wave soldering

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Accessories

Feed-through header - PC 6-16/ 6-G1F-10,16 - 1999042



PCB headers, nominal current: 76 A, rated voltage (III/2): 1000 V, number of positions: 6, pitch: 10.16 mm, color: green, contact surface: Silver, mounting: Wave soldering

Feed-through header - PC 6-16/ 6-G1FU-10,16 - 1996359



PCB headers, nominal current: 76 A, rated voltage (III/2): 1000 V, number of positions: 6, pitch: 10.16 mm, color: green, contact surface: Silver, mounting: Wave soldering

Printed-circuit board connector - ISPC 16/ 6-STGF-10,16 - 1748749



PCB connector, nominal current: 76 A, rated voltage (III/2): 1000 V, number of positions: 6, pitch: 10.16 mm, connection method: Push-in spring connection, color: green, contact surface: Silver

Printed-circuit board connector - IPC 16/ 6-STGF-10,16 - 1975859



PCB connector, nominal current: 76 A, rated voltage (III/2): 1000 V, number of positions: 6, pitch: 10.16 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Silver

Feed-through header - DFK-PC 6-16/ 6-GF-10,16 - 1701579



Feed-through header, nominal current: 76 A, rated voltage (III/2): 1000 V, number of positions: 6, pitch: 10.16 mm, color: green, contact surface: Silver, mounting: Wave soldering

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Accessories

Feed-through header - DFK-PC 6-16/ 6-GFU-10,16 - 1701731



Feed-through header, nominal current: 76 A, rated voltage (III/2): 1000 V, number of positions: 6, pitch: 10.16 mm, color: green, contact surface: Silver, mounting: Wave soldering

Feed-through header - DFK-PC 6-16/ 6-GF-SH-10,16 - 1701977



Feed-through header, nominal current: 76 A, rated voltage (III/2): 1000 V, number of positions: 6, pitch: 10.16 mm, color: green, contact surface: Silver, mounting: Wave soldering

Feed-through header - DFK-PC 6-16/ 6-GFU-SH-10,16 - 1702057



Feed-through header, nominal current: 76 A, rated voltage (III/2): 1000 V, number of positions: 6, pitch: 10.16 mm, color: green, contact surface: Silver, mounting: Wave soldering

Feed-through header - DFK-PCV 6-16/ 6-GF-10,16 - 1702293



Feed-through header, nominal current: 76 A, rated voltage (III/2): 1000 V, number of positions: 6, pitch: 10.16 mm, color: green, contact surface: Silver, mounting: Wave soldering

Feed-through plug - DFK-PC 16/ 6-STF-10,16 - 1703496



Feed-through connector, nominal current: 76 A, rated voltage (III/2): 1000 V, number of positions: 6, pitch: 10.16 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Silver

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Accessories

Feed-through plug - DFK-PC 16/ 6-STF-SH-10,16 - 1703658



Feed-through connector, nominal current: 76 A, rated voltage (III/2): 1000 V, number of positions: 6, pitch: 10.16 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Silver