

## Printed-circuit board connector - ISPC 16/ 4-ST-10,16 BD:-U, +U - 1703193

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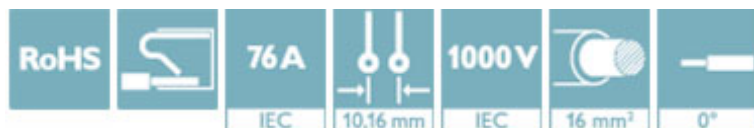
PCB connector, nominal current: 76 A, rated voltage (III/2): 1000 V, number of positions: 4, pitch: 10.16 mm, connection method: Push-in spring connection, color: green, contact surface: Silver



The figure shows the 5-pos. version

### 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
- ✓ Inverted connector with pin contacts for touch-proof device outputs or free-hanging cable/cable connections



### Key Commercial Data

Packing unit	50 pc
GTIN	
GTIN	4046356640756

### Technical data

#### Dimensions

Length [ l ]	45.1 mm
Width [ w ]	43.68 mm
Height [ h ]	25.1 mm
Pitch	10.16 mm
Dimension a	30.48 mm

#### General

Range of articles	ISPC 16/...-ST
Number of positions	4
Connection method	Push-in spring connection
Insulating material group	I

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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
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	76 A
Nominal cross section	16 mm <sup>2</sup>
Maximum load current	76 A (with 16 mm <sup>2</sup> conductor cross section)
Insulating material	PA
Flammability rating according to UL 94	V0
Stripping length	18 mm
Screw thread	M4
Tightening torque, min	1.8 Nm

### 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.	0.75 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.	0.75 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.	4
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	4 mm <sup>2</sup>
Minimum AWG according to UL/CUL	20
Maximum AWG according to UL/CUL	4

### Standards and Regulations

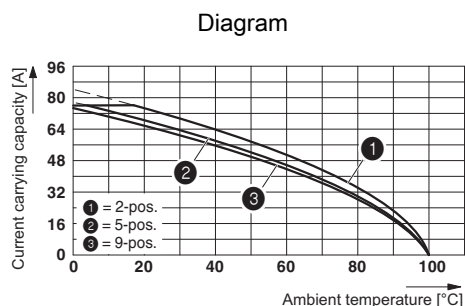
Connection in acc. with standard	EN-VDE
Flammability rating according to UL 94	V0

### Environmental Product Compliance

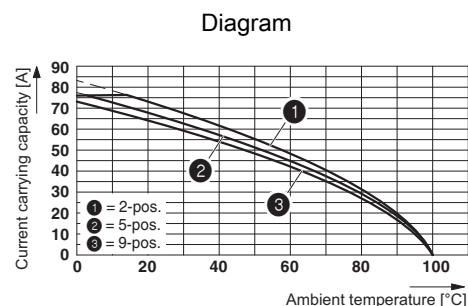
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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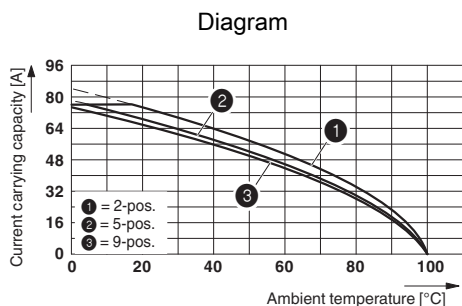
## Drawings



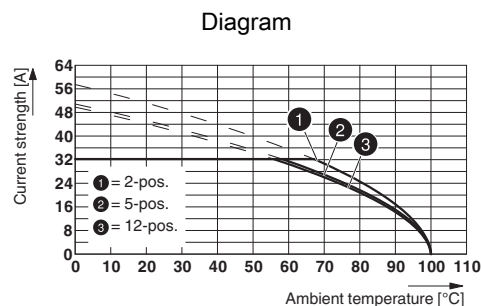
Type : ISPC 16/...-ST-10,16 with IPC 16/...-G-10,16



Type: ISPC 16/...-ST-10,16 with SPC 16/...-ST-10,16

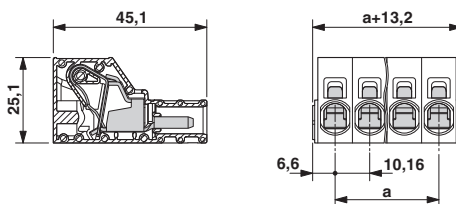


Derating curve for: ISPC 16/...-ST-10,16 with IPCV 16/...-G-10,16



Type: ISPC 16/...-ST-10,16 with DFK-IPC 16/...-ST-10,16

## Dimensional drawing



## Approvals

### Approvals

Approvals


IECEE CB Scheme / SEV / EAC


Ex Approvals

## Printed-circuit board connector - ISPC 16/ 4-ST-10,16 BD:-U, +U - 1703193

### 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	
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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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