Printed-circuit board connector - ISPC 16/ 4-ST-10,16 OGBD:ERD-W - 1704474

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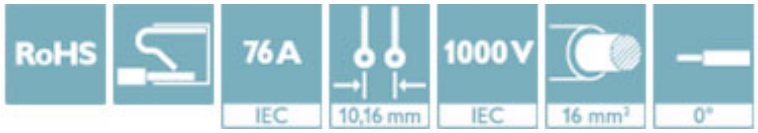
PCB connector, nominal current: 76 A, rated voltage (III/2): 1000 V, number of positions: 4, pitch: 10.16 mm, connection method: Push-in spring connection, color: orange, contact surface: Silver

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	4 046356 723961
GTIN	4046356723961

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 mm²
Maximum load current	76 A (with 16 mm² 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 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.	0.75 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	16 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.75 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	10 mm²
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 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	4 mm²
Minimum AWG according to UL/CUL	20
Maximum AWG according to UL/CUL	4

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

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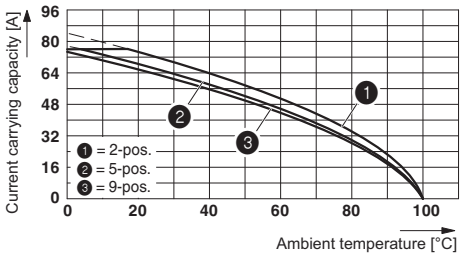
Technical data

Environmental Product Compliance

	No hazardous substances above threshold values

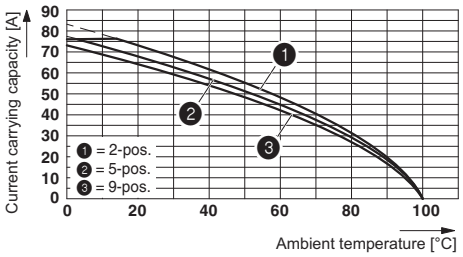
Drawings

Diagram



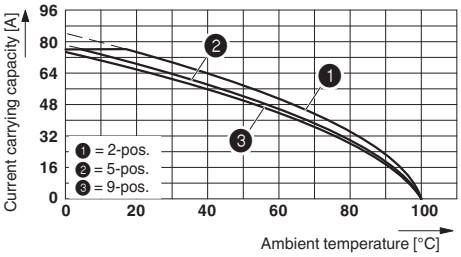
Type : ISPC 16/...-ST-10,16 with IPC 16/...-G-10,16

Diagram



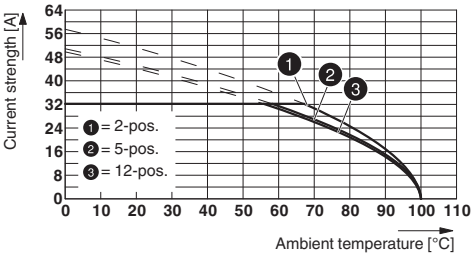
Type: ISPC 16/...-ST-10,16 with SPC 16/...-ST-10,16

Diagram



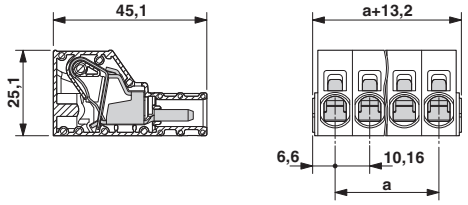
Derating curve for: ISPC 16/..-ST-10,16 with IPCV 16/..-G-10,16

Diagram



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

Dimensional drawing



Approvals

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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

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	66 A	66 A
mm²/AWG/kcmil	20-4	20-4

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