Printed-circuit board connector - ISPC 16/ 7-ST-10,16 - 1748590

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The illustration shows the 5-pos. version

Plug component, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 7, Pitch: 10.16 mm, Connection method: Spring-cage connection, Color: green, Contact surface: Silver

Product Features

- Can be plugged into (S)PC 16 plugs or inverted IPC 16 headers
- Unlimited 600 V UL approval
- Increased vibration protection thanks to screw-on STF plugs with screw flange
- Inverted Push-in spring-cage plugs with pin contacts for touch-proof device outputs (with IPC 16 G) or free-hanging cable/cable connections

Key commercial data

Packing unit	1 pc
Minimum order quantity	50 pc
Weight per Piece (excluding packing)	65.8 GRM
Custom tariff number	85366990
Country of origin	Bulgaria

Technical data

Dimensions

Pitch	10.16 mm
Dimension a	60.96 mm

General

Range of articles	ISPC 16/..-ST
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

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Technical data

General

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
Inflammability class according to UL 94	V0
Stripping length	18 mm
Number of positions	7
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 stranded min.	0.75 mm²
Conductor cross section stranded max.	16 mm²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.75 mm²
Conductor cross section stranded, with ferrule without plastic sleeve max.	16 mm²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.75 mm²
Conductor cross section stranded, with ferrule with plastic sleeve max.	10 mm²
Conductor cross section AWG/kcmil min.	18
Conductor cross section AWG/kcmil max	4
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.	0.75 mm²
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

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Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27260704
eCl@ss 7.0	27440402
eCl@ss 8.0	27440309

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	EC002638

UNSPSC

UNSPSC 6.01	30211810
UNSPSC 7.0901	39121409
UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121409

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / GOST / SEV / CCA / GOST / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

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Approvals

UL Recognized

	B	C
mm²/AWG/kcmil	20-4	20-4
Nominal current IN	66 A	66 A
Nominal voltage UN	600 V	600 V

cUL Recognized

	B	C
mm²/AWG/kcmil	20-4	20-4
Nominal current IN	66 A	66 A
Nominal voltage UN	600 V	600 V

GOST

SEV

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

CCA

Nominal current IN	76 A
Nominal voltage UN	1000 V

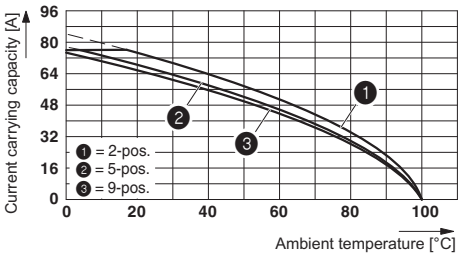
GOST

cULus Recognized

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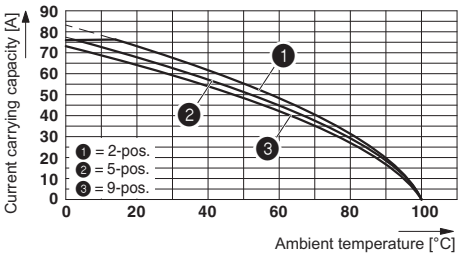
Drawings

Diagram



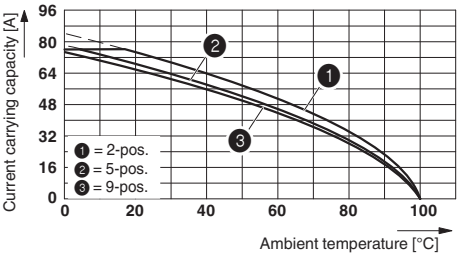
Derating curve for: ISPC 16/..-ST-10,16 with IPCV 16/..-G-10,16

Diagram

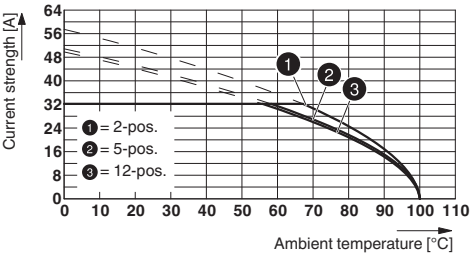


Type: ISPC 16/...-ST-10,16 with DFK-IPC 16/...-ST-10,16

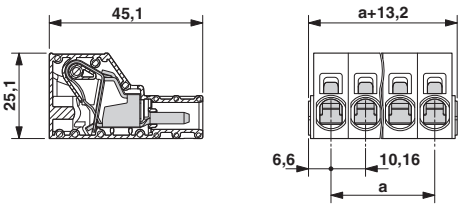
Diagram



Diagram



Dimensioned drawing



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