

Printed-circuit board connector - ISPC 16/ 5-ST-10,16 - 1748574

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Plug component, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 5, Pitch: 10.16 mm, Connection method: Spring-cage connection, Color: green, Contact surface: Silver



The illustration shows the 5-pos. version

Product Features

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



Key commercial data

Packing unit	1 pc
Minimum order quantity	50 pc
Weight per Piece (excluding packing)	41.0 GRM
Custom tariff number	85366990
Country of origin	Bulgaria

Technical data

Dimensions

Pitch	10.16 mm
Dimension a	40.64 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 mm ²
Maximum load current	76 A (with 16 mm ² conductor cross section)
Insulating material	PA
Inflammability class according to UL 94	V0
Stripping length	18 mm
Number of positions	5
Screw thread	M4
Tightening torque, min	1.8 Nm

Connection data

Conductor cross section solid min.	0.75 mm ²
Conductor cross section solid max.	16 mm ²
Conductor cross section stranded min.	0.75 mm ²
Conductor cross section stranded max.	16 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.75 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	16 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.75 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	10 mm ²
Conductor cross section AWG/kcmil min.	18
Conductor cross section AWG/kcmil max	4
2 conductors with same cross section, solid min.	0.75 mm ²
2 conductors with same cross section, solid max.	6 mm ²
2 conductors with same cross section, stranded min.	0.75 mm ²
2 conductors with same cross section, stranded max.	6 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.75 mm ²
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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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
mm ² /AWG/kcmil	20-4	20-4
Nominal current I _N	66 A	66 A
Nominal voltage U _N	600 V	600 V

cUL Recognized 

	B	C
mm ² /AWG/kcmil	20-4	20-4
Nominal current I _N	66 A	66 A
Nominal voltage U _N	600 V	600 V

GOST 

SEV

mm ² /AWG/kcmil	16
Nominal current I _N	76 A
Nominal voltage U _N	1000 V

CCA

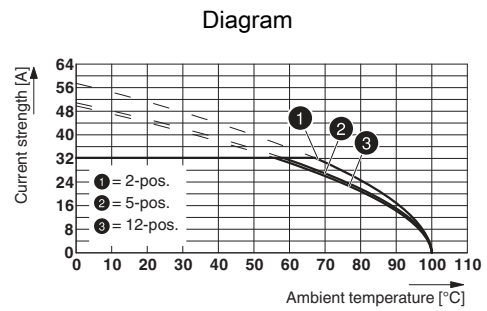
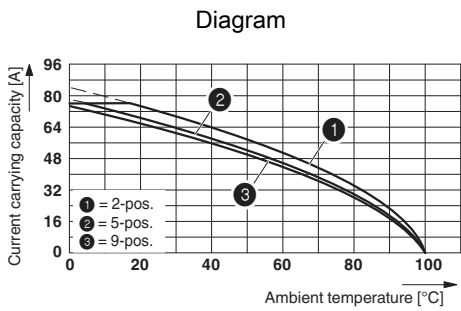
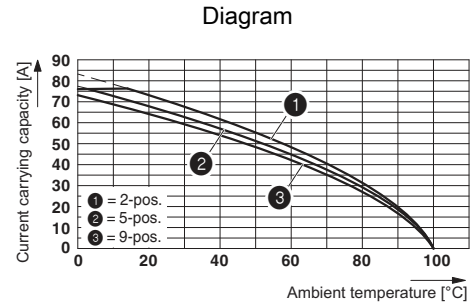
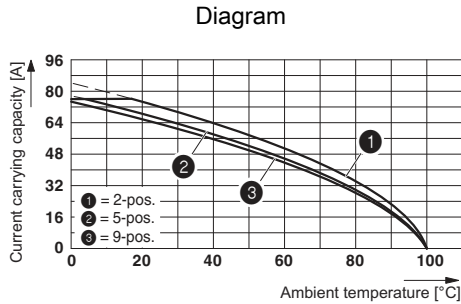
Nominal current I _N	76 A
Nominal voltage U _N	1000 V

GOST 

cULus Recognized 

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Drawings



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

Dimensioned drawing

