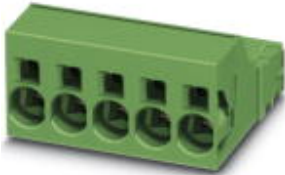


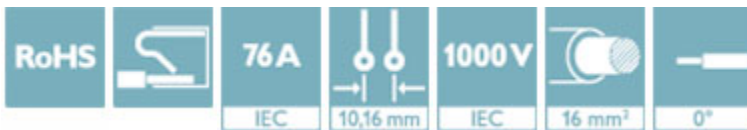
Printed-circuit board connector - ISPC 16/ 3-ST-10,16 BK - 1702477

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Plug component, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 3, Pitch: 10.16 mm, Connection method: Push-in spring connection, Color: black, Contact surface: Silver



The illustration shows the 5-pos. version



Key Commercial Data

Packing unit	1
GTIN	 4 046356 588393
GTIN	4046356588393
Custom tariff number	85366990

Technical data

Dimensions

Pitch	10.16 mm
Dimension a	20.32 mm

General

Range of articles	ISPC 16/..-ST
Type of contact	Male connector
Number of positions	3
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

Printed-circuit board connector - ISPC 16/ 3-ST-10,16 BK - 1702477

Technical data

General

Rated voltage (III/3)	1000 V 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
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 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, 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

Standards and Regulations

Connection in acc. with standard	EN-VDE
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Printed-circuit board connector - ISPC 16/ 3-ST-10,16 BK - 1702477

Technical data

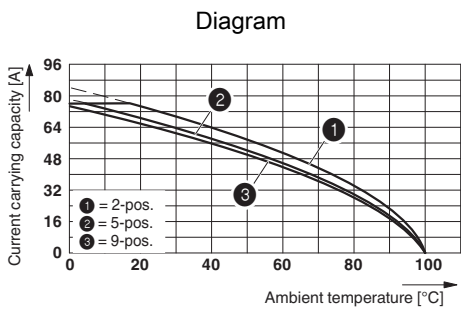
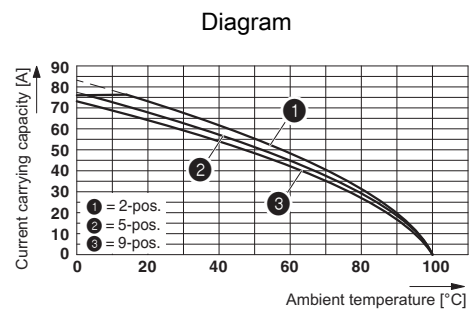
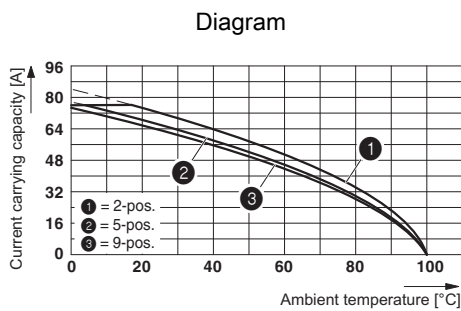
Standards and Regulations

	CUL
Flammability rating according to UL 94	V0

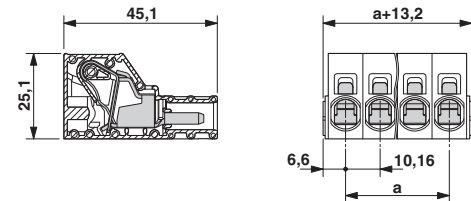
Environmental Product Compliance

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

Drawings



Dimensional drawing



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

Approvals

Approvals

Approvals


SEV / UL Recognized / cUL Recognized / IECCE CB Scheme / EAC / cULus Recognized


Ex Approvals


Printed-circuit board connector - ISPC 16/ 3-ST-10,16 BK - 1702477


Approvals

Approval details

SEV		https://www.electrosuisse.ch/en/meta/shop/product-certificates.html	IK-3431
mm ² /AWG/kcmil	16		
Nominal current I _N	76 A		
Nominal voltage U _N	1000 V		

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
		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		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
		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	

IECEE CB Scheme		http://www.iecee.org/	CH-8077
Nominal current I _N	76 A		
Nominal voltage U _N	1000 V		

EAC		B.01742
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Printed-circuit board connector - ISPC 16/ 3-ST-10,16 BK - 1702477

Approvals

cULus Recognized



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

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