

Printed-circuit board connector - IPC 16/ 2-ST-10,16 - 1969373

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



The figure shows a 5-pos. version of the product

Why buy this product

- Can be plugged into PC 16 plugs or inverted IPC 16 headers
- Unlimited 600 V UL approval
- Inverted IPC 16 plugs with pin contacts for touch-proof device outputs (with IPC 16 G) or free-hanging cable/cable connections



Key commercial data

Packing unit	50 pc
Minimum order quantity	50 pc
GTIN	 4 017918 943622
Weight per Piece (excluding packing)	19.1 g
Custom tariff number	85366990
Country of origin	Poland

Technical data

Dimensions

Pitch	10.16 mm
Dimension a	10.16 mm

General

Range of articles	IPC 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
Rated voltage (III/3)	1000 V
Rated voltage (III/2)	1000 V

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Technical data

General

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
Insulating material	PA
Inflammability class according to UL 94	V0
Internal cylindrical gage	A6
Stripping length	12 mm
Number of positions	2
Screw thread	M4
Tightening torque, min	1.7 Nm
Tightening torque max	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.	0.5 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	16 mm ² Only in connection with CRIMPFOX 16 S
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.5 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	10 mm ² Only in connection with CRIMPFOX 16 S
Conductor cross section AWG/kcmil min.	18
Conductor cross section AWG/kcmil max	6
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.	0.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	4 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	6 mm ²
Minimum AWG according to UL/CUL	20
Maximum AWG according to UL/CUL	6

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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 / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized 		
	B	C
mm ² /AWG/kcmil	20-6	20-6
Nominal current I _N	55 A	55 A

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Approvals

	B	C
Nominal voltage UN	600 V	600 V

cUL Recognized		
	B	C
mm ² /AWG/kcmil	20-6	20-6
Nominal current I _N	55 A	55 A
Nominal voltage UN	600 V	600 V

EAC

cULus Recognized		
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Accessories

Accessories

Coding element

Coding profile - CP-PC RD - 1701967



Coding profile, for plugging into the coding ribs of the plug at a later date, insulating material, color: Red

Additional products

Printed-circuit board connector - PCU 6/ 2-STD-10,16 - 1922637



Plug component, Nominal current: 41 A, Rated voltage (III/2): 1000 V, Number of positions: 2, Pitch: 10.16 mm, Connection method: Screw connection, Color: green, Contact surface: Silver, Mounting: Direct mounting

Printed-circuit board connector - PC 16/ 2-ST-10,16 - 1967375



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

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Accessories

Printed-circuit board connector - TPC 16/ 2-ST-10,16 - 1715170



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

Printed-circuit board connector - SPC 16/ 2-ST-10,16 - 1711268



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

Base strip - IPC 16/ 2-G-10,16 - 1969535



Header, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 2, Pitch: 10.16 mm, Color: green, Contact surface: Silver, Mounting: Soldering

Base strip - IPC 16/ 2-GU-10,16 - 1969852



Header, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 2, Pitch: 10.16 mm, Color: green, Contact surface: Silver, Mounting: Soldering, Plug direction parallel to the PCB: connector part rotated by 180° with respect to the plug axis.

Base strip - IPCV 16/ 2-G-10,16 - 1969690



Header, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 2, Pitch: 10.16 mm, Color: green, Contact surface: Silver, Mounting: Soldering

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Accessories

Base strip - DFK-IPC 16/ 2-G-10,16 - 1702413



Header, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 2, Pitch: 10.16 mm, Color: green, Contact surface: Silver, Mounting: Soldering

Base strip - DFK-IPC 16/ 2-GU-10,16 - 1702497



Header, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 2, Pitch: 10.16 mm, Color: green, Contact surface: Silver, Mounting: Soldering

Base strip - DFK-IPCV 16/ 2-G-10,16 - 1703056



Header, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 2, Pitch: 10.16 mm, Color: green, Contact surface: Silver, Mounting: Soldering

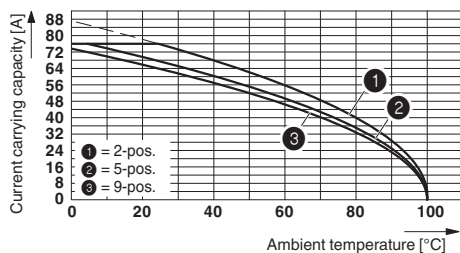
Plug - DFK-IPC 16/ 2-ST-10,16 - 1703690



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

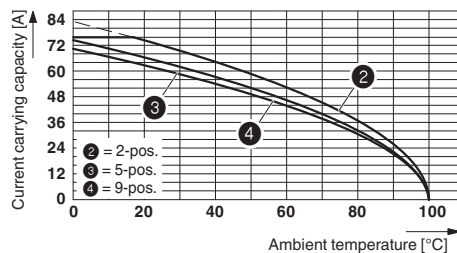
Drawings

Diagram



Derating curve for: IPC 16/...-ST-10,16 with DFK-IPC 16/...-G-10,16

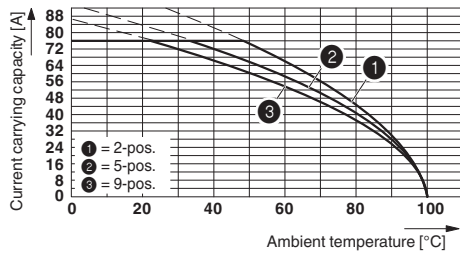
Diagram



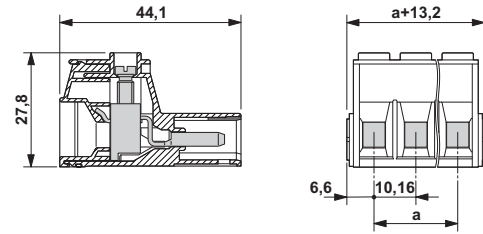
Derating curve for: IPC 16/...-ST-10,16 with IPC 16/...-G-10,16

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Diagram



Dimensioned drawing



Derating curve for: PC 16/...-ST-10,16 with IPC 16/...-ST-10,16

The illustration shows the 3-pos. version