

Printed-circuit board connector - PC 16/ 8-ST-10,16 - 1967430

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Plug component, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 8, 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 6-16 headers and IPC 16 plugs
- High-capacity plugs with a current carrying capacity of 76 A and a connection capacity of 16 mm², stranded
- Unlimited 600 V UL approval
- Maximum contact reliability due to integrated double steel spring
- CP-PC RD coding profile



Key commercial data

Packing unit	50 pc
Minimum order quantity	50 pc
GTIN	 4 017918 939298
Weight per Piece (excluding packing)	72.01 g
Custom tariff number	85366990
Country of origin	Poland
Note	Made to Order (non-returnable)

Technical data

Dimensions

Pitch	10.16 mm
Dimension a	71.12 mm

General

Range of articles	PC 16/...-ST
Insulating material group	I
Rated surge voltage (III/3)	8 kV
Rated surge voltage (III/2)	8 kV

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Technical data

General

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 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	8
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

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Technical data

Connection data

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 / SEV / cUL Recognized / CCA / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

Printed-circuit board connector - PC 16/ 8-ST-10,16 - 1967430

Approvals

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

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

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

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

EAC

cULus Recognized		
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Accessories

Accessories

Coding element

Printed-circuit board connector - PC 16/ 8-ST-10,16 - 1967430

Accessories

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 - IPC 16/ 8-ST-10,16 - 1969438



Plug component, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 8, Pitch: 10.16 mm, Connection method: Screw connection, Color: green, Contact surface: Silver

Printed-circuit board connector - ISPC 16/ 8-ST-10,16 - 1748600



Plug component, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 8, Pitch: 10.16 mm, Connection method: Spring-cage connection, Color: green, Contact surface: Silver

Housing - DFK-PC 6-16/ 8-G-10,16 - 1701511



Header, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 8, Pitch: 10.16 mm, Color: green, Contact surface: Silver, Mounting: Soldering

Base strip - DFK-PC 6-16/ 8-GU-10,16 - 1701676



Header, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 8, Pitch: 10.16 mm, Color: green, Contact surface: Silver, Mounting: Soldering

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Accessories

Base strip - DFK-PCV 6-16/ 8-G-10,16 - 1702154



Header, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 8, Pitch: 10.16 mm, Color: green, Contact surface: Silver, Mounting: Soldering

Base strip - PC 6-16/ 8-G1-10,16 - 1998991



Header, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 8, Pitch: 10.16 mm, Color: green, Contact surface: Silver, Mounting: Soldering

Base strip - PC 6-16/ 8-G1U-10,16 - 1996294



Header, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 8, Pitch: 10.16 mm, Color: green, Contact surface: Silver, Mounting: Soldering

Base strip - PCV 6-16/ 8-G1-10,16 - 1998849



Header, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 8, Pitch: 10.16 mm, Color: green, Contact surface: Silver, Mounting: Soldering

Printed-circuit board connector - DFK-PC 16/ 8-ST-10,16 - 1703438

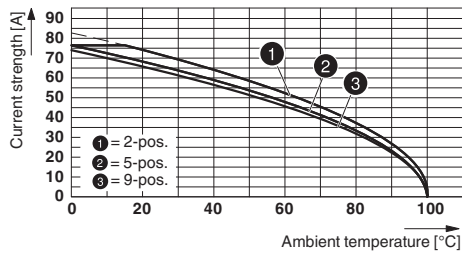


Plug component, Nominal current: 76 A, Rated voltage (III/2): 1000 V, Number of positions: 8, Pitch: 10.16 mm, Connection method: Screw connection, Color: green, Contact surface: Silver

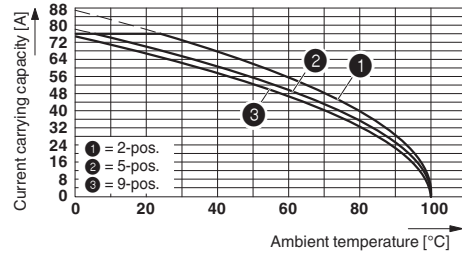
Drawings

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Diagram



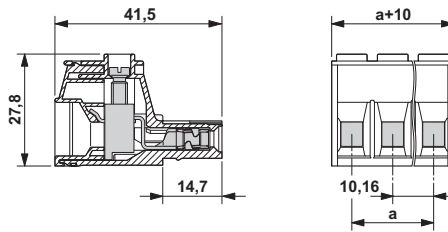
Diagram



Type: PC 16/..-ST-10,16 with PC 6-16/..-G1-10,16

Derating curve for: PC 16/..-ST-10,16 with DFK-PC 6-16/..-G-10,16

Dimensioned drawing



The illustration shows the 3-pos. version