

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

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PCB connector, nominal current: 76 A, rated voltage (III/2): 1000 V, number of positions: 2, pitch: 10.16 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Silver

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

Your advantages

- ✓ Well-known connection principle allows worldwide use
- ✓ Low temperature rise, thanks to maximum contact force
- ✓ Allows connection of two conductors
- ✓ Integrated double steel spring provides additional safety in the event of temperature and power fluctuations
- ✓ Integrated protective guide prevents incorrect insertion of the conductor underneath the tension sleeve



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 939236
GTIN	4017918939236
Weight per Piece (excluding packing)	19.320 g
Custom tariff number	85366990
Country of origin	Poland

Technical data

Dimensions

Length [l]	41.5 mm
Width [w]	20.16 mm
Height [h]	27.8 mm
Pitch	10.16 mm

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Technical data

Dimensions

Dimension a	10.16 mm
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General

Range of articles	PC 16/...-ST
Number of positions	2
Connection method	Screw connection with tension sleeve
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
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
Flammability rating according to UL 94	V0
Internal cylindrical gage	A6
Stripping length	12 mm
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 flexible min.	0.75 mm ²
Conductor cross section flexible max.	16 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	16 mm ² Only in connection with CRIMPFOX 16 S
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	10 mm ² Only in connection with CRIMPFOX 16 S
Conductor cross section AWG min.	18
Conductor cross section AWG 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

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Technical data

Connection data

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

Standards and Regulations

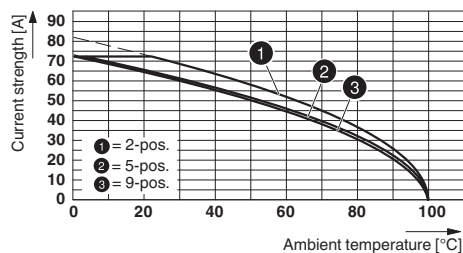
Connection in acc. with standard	EN-VDE
	CUL
Flammability rating according to UL 94	V0

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

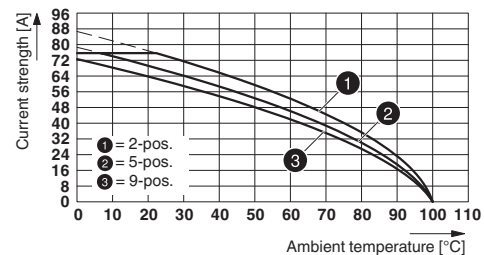
Drawings

Diagram



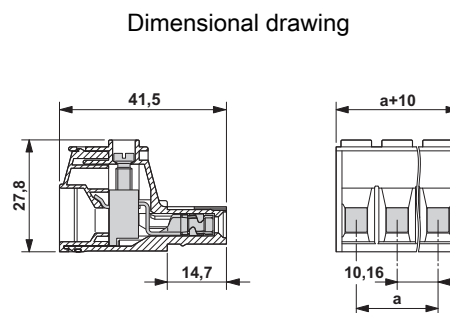
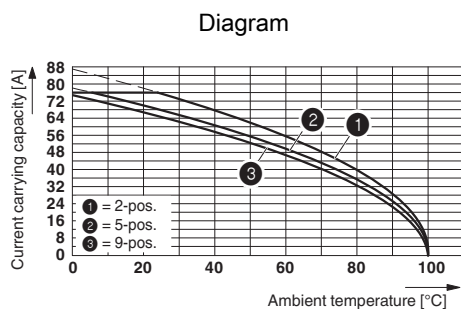
Type: PC 16/...-ST-10,16 with PC 6-16/...-G1-10,16

Diagram



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

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

The figure shows the 3-pos. version

Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27260701
eCl@ss 5.1	27260700
eCl@ss 6.0	27260700
eCl@ss 7.0	27440309
eCl@ss 8.0	27440309
eCl@ss 9.0	27440309

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	EC002638
ETIM 6.0	EC002638

UNSPSC

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

Approvals

Approvals

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


Approvals


Approvals


IECEE CB Scheme / SEV / EAC / cULus Recognized


Ex Approvals

Approval details

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

SEV		https://www.electrosuisse.ch/de/meta/shop/produktezertifikate.html	IK-3431
Nominal voltage UN	1000 V		
Nominal current IN	76 A		
mm²/AWG/kcmil	16		

EAC		B.01742	
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-20040202
	B	C	
Nominal voltage UN	600 V	600 V	
Nominal current IN	55 A	55 A	
mm²/AWG/kcmil	20-6	20-6	

Accessories

Accessories

Coding element

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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

Crimping tool

Crimping pliers - CRIMPFOX 6 - 1212034



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm² ... 6.0 mm², lateral entry, trapezoidal crimp

Crimping pliers - CRIMPFOX 16 S - 1207983



Crimping pliers for ferrules up to 16 mm²

Screwdriver tools

Screwdriver - SZS 1,0X4,0 VDE - 1205066



Screwdriver, slot-headed, VDE insulated, size: 1.0 x 4.0 x 100 mm, 2-component grip, with non-slip grip

Terminal marking

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Accessories

Marker strip - SK 5,0 WH:REEL - 0805221



Marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, for terminal block width: 5 mm, lettering field size: continuous x 5 mm

Additional products

Feed-through header - PCV 6-16/ 2-G1-10,16 - 1998784



PCB headers, nominal current: 76 A, rated voltage (III/2): 1000 V, number of positions: 2, pitch: 10.16 mm, color: green, contact surface: Silver, mounting: Wave soldering

Feed-through header - PC 6-16/ 2-G1-10,16 - 1998933



PCB headers, nominal current: 76 A, rated voltage (III/2): 1000 V, number of positions: 2, pitch: 10.16 mm, color: green, contact surface: Silver, mounting: Wave soldering

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



PCB connector, nominal current: 76 A, rated voltage (III/2): 1000 V, number of positions: 2, pitch: 10.16 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Silver

Feed-through header - PC 6-16/ 2-G1U-10,16 - 1996236



PCB headers, nominal current: 76 A, rated voltage (III/2): 1000 V, number of positions: 2, pitch: 10.16 mm, color: green, contact surface: Silver, mounting: Wave soldering

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Accessories

Printed-circuit board connector - ISPC 16/ 2-ST-10,16 - 1748545



PCB connector, nominal current: 76 A, rated voltage (III/2): 1000 V, number of positions: 2, pitch: 10.16 mm, connection method: Push-in spring connection, color: green, contact surface: Silver

Feed-through header - DFK-PC 6-16/ 2-G-10,16 - 1701456



Feed-through 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: Wave soldering

Feed-through header - DFK-PC 6-16/ 2-GU-10,16 - 1701618



Feed-through 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: Wave soldering

Feed-through header - DFK-PCV 6-16/ 2-G-10,16 - 1702099



Feed-through 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: Wave soldering

Feed-through plug - DFK-PC 16/ 2-ST-10,16 - 1703373



Feed-through connector, nominal current: 76 A, rated voltage (III/2): 1000 V, number of positions: 2, pitch: 10.16 mm, connection method: Screw connection with tension sleeve, color: green, contact surface: Silver
