Printed-circuit board connector - PC 16/ 3-ST-10,16 BK - 1742101

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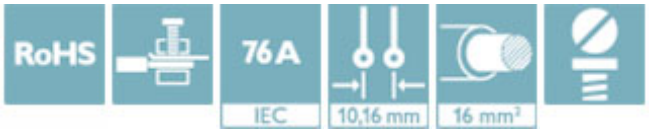
The figure shows a 5-pos. version of the product

PCB connector, nominal current: 76 A, number of positions: 3, pitch: 10.16 mm, connection method: Screw connection with tension sleeve, color: black

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	50 pc
GTIN	4 046356 295048
GTIN	4046356295048

Technical data

Dimensions

Length [l]	41.5 mm
Width [w]	30.32 mm
Height [h]	27.8 mm
Pitch	10.16 mm
Dimension a	20.32 mm

General

Range of articles	PC 16/..-ST
Number of positions	3
Connection method	Screw connection with tension sleeve
Rated voltage (III/3)	1000 V

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Technical data

General

Connection in acc. with standard	EN-VDE
Nominal current I_N	76 A
Nominal cross section	16 mm²

Connection data

Conductor cross section solid min.	0.75 mm²
Conductor cross section solid max.	16 mm²
Conductor cross section flexible min.	0.75 mm²
Conductor cross section flexible max.	16 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	16 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	10 mm²
Conductor cross section AWG min.	18
Conductor cross section AWG max.	6
2 conductors with same cross section, solid min.	0.75 mm²
2 conductors with same cross section, solid max.	6 mm²
2 conductors with same cross section, stranded min.	0.75 mm²
2 conductors with same cross section, stranded max.	6 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	4 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	6 mm²
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

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”

Approvals

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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

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

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PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
http://www.phoenixcontact.com

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