Printed-circuit board connector - PC 6/ 2-G-7,62 - 1054546

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (http://phoenixcontact.com/download)

The figure shows a 4-pos. version of the product

PCB headers, nominal current: 41 A, rated voltage (III/2): 630 V, nominal cross section: 6 mm², number of positions: 2, pitch: 7.62 mm, color: green, contact surface: Tin, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 2.6 mm

Your advantages

- Increased touch protection in the pin connector pattern for maximum safety even when not plugged in
- Easy PCB replacement thanks to plug-in modules
- Well-known mounting principle allows worldwide use

Key Commercial Data

Packing unit	50 pc
Minimum order quantity	50 pc
GTIN	4 055626 689531
GTIN	4055626689531

Technical data

Item properties

Brief article description	Feed-through header
Plug-in system	POWER COMBICON 6
Type of contact	Male connector
Range of articles	PC 6/..-G
Pitch	7.62 mm
Number of positions	2
Mounting type	Wave soldering
Pin layout	Linear pinning
Locking	without
Number of levels	1
	1

Printed-circuit board connector - PC 6/ 2-G-7,62 - 1054546

Technical data

Item properties

Number of connections	2
Number of potentials	2

Electrical parameters

Nominal current	41 A
Nom. voltage	630 V
Rated voltage	630 V
Rated voltage (III/2)	630 V
Rated voltage (II/2)	1000 V
Rated surge voltage (III/3)	6 kV
Rated surge voltage (III/2)	6 kV
Rated surge voltage (II/2)	6 kV

Material data - contact

Note	WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/ JEDEC JESD 201
Contact material	Cu alloy
Surface characteristics	Tin-plated
Metal surface contact area (top layer)	Tin (2 - 4 µm Sn)
Metal surface contact area (middle layer)	Nickel (1.3 - 3 µm Ni),
Metal surface soldering area (top layer)	Tin (2 - 4 µm Sn)
Metal surface soldering area (middle layer)	Nickel (1.3 - 3 µm Ni)

Material data - housing

Housing color	green (6021)
Insulating material	PA GF
Insulating material group	I
CTI according to IEC 60112	600
Flammability rating according to UL 94	V0

Dimensions for the product

Length [l]	28.2 mm
Width [w]	15.64 mm
Height [h]	16.1 mm
Pitch	7.62 mm
Height (without solder pin)	13.5 mm
Solder pin [P]	2.6 mm
Pin dimensions	1 x 1.2 mm

Dimensions for PCB design

Hole diameter	1.7 mm

Packaging information

Type of packaging	packed in cardboard

Printed-circuit board connector - PC 6/ 2-G-7,62 - 1054546

Technical data

Packaging information

Pieces per package	50
Denomination packing units	Pcs.

Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 70 °C
Ambient temperature (assembly)	-5 °C ... 100 °C
Ambient temperature (operation)	-40 °C ... 100 °C (dependent on the derating curve)

Air clearances and creepage distances

Clearances and creepage distances	IEC 60664-1:2007-04
Specification	IEC 60664-1:2007-04
Minimum clearance - inhomogeneous field (III/3)	5.5 mm
Minimum clearance - inhomogeneous field (III/2)	5.5 mm
Minimum clearance - inhomogeneous field (II/2)	5.5 mm
Minimum creepage distance value (III/3)	8 mm
Minimum creepage distance value (III/2)	3.2 mm
Minimum creepage distance value (II/2)	5 mm

Mechanical tests (A)

Test specification	IEC 61984

Thermal tests (C)

Specification	IEC 60512-5-1:2002-02
Number of positions	6
Conductor cross section	6 mm²
Test current	41 A
Upper limiting temperature requirements <100 °C	Test passed

Standards and Regulations

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

Classifications

eCl@ss

eCl@ss 10.0.1	27440402
eCl@ss 4.0	27260700
eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
eCl@ss 5.1	27260700
eCl@ss 6.0	27260700
eCl@ss 7.0	27440402
eCl@ss 8.0	27440402

Printed-circuit board connector - PC 6/ 2-G-7,62 - 1054546

Classifications

eCl@ss

eCl@ss 9.0	27440402

ETIM

ETIM 5.0	EC002637
ETIM 6.0	EC002637
ETIM 7.0	EC002637

Approvals

Approvals

Approvals

cULus Recognized / EAC / VDE Zeichengenehmigung

Ex Approvals

Approval details

cULus Recognized http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E60425-20010727

	B	C	D
Nominal voltage UN	300 V	300 V	600 V
Nominal current IN	35 A	35 A	5 A

EAC B.01687

VDE Zeichengenehmigung http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx 40050635

Nominal voltage UN	630 V
Nominal current IN	41 A

Accessories

Accessories

Coding element

Printed-circuit board connector - PC 6/ 2-G-7,62 - 1054546

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 - LPC 6/ 2-ST-7,62 - 1716921

PCB connector, nominal current: 41 A, rated voltage (III/2): 1000 V, nominal cross section: 6 mm², number of positions: 2, pitch: 7.62 mm, connection method: Push-in spring connection, color: green, contact surface: Tin

Printed-circuit board connector - PC 6/ 2-ST-BUS-7,62 - 1044740

PCB connector, nominal current: 32 A, rated voltage (III/2): 1000 V, nominal cross section: 16 mm², number of positions: 2, pitch: 7.62 mm, connection method: Displacement connection, color: green, contact surface: Tin

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

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Fixed Terminal Blocks ***category:***

Click to view products by Phoenix Contact ***manufacturer:***

Other Similar products are found below :

MBE-1512 MBE-154 MBE-156 MBES-153 MBES-156 MH-2512 MHE-132 MHE-163 MI-254 (35) MI-272 880507 MPT-275 15602-04-08-21 BA311TU BA411SU MV-152 MV-252-D MV-253/NCNOC MV-254-D MV-255 MV-462 MV-493 MVE-252 MVE-253 MVE-273 MVEB-153 1700096 1705142 1712417 1713020 1713088 1745195 1760594 1776118-2 1790852 1-796689-8 1-796692-6 1800001 1800114 1995279 20020314-C121B01LF CB2-12 KP03215000J0G KP04215000J0G S451 282802-2 29.007 29.116 30.103 30.106