

Printed-circuit board connector - PC 6/ 3-GU-7,62 - 1055247

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>)



PCB headers, nominal current: 41 A, rated voltage (III/2): 630 V, nominal cross section: 6 mm², number of positions: 3, pitch: 7.62 mm, color: green, contact surface: Tin, mounting: Wave soldering, pin layout: Linear pinning, solder pin [P]: 2.6 mm

The figure shows a 4-position version

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	1
GTIN	 4 055626 691244
GTIN	4055626691244
Custom tariff number	85366930

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/...-GU
Pitch	7.62 mm
Number of positions	3
Mounting type	Wave soldering
Pin layout	Linear pinning
Locking	without
Number of levels	1
	1

Printed-circuit board connector - PC 6/ 3-GU-7,62 - 1055247

Technical data

Item properties

Number of connections	3
Number of potentials	3

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]	23.26 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	0.8 x 1 mm

Dimensions for PCB design

Hole diameter	1.7 mm
---------------	--------

Packaging information

Type of packaging	packed in cardboard
-------------------	---------------------

Printed-circuit board connector - PC 6/ 3-GU-7,62 - 1055247

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 mm ²
Test current	41 A
Upper limiting temperature requirements <100 °C	Test passed

Classifications

eCl@ss

eCl@ss 10.0.1	27440402
eCl@ss 8.0	27440402
eCl@ss 9.0	27440402

ETIM

ETIM 5.0	EC002637
----------	----------

Approvals

Approvals

Printed-circuit board connector - PC 6/ 3-GU-7,62 - 1055247

Approvals

Approvals

EAC / VDE Zeichengenehmigung

Ex Approvals

Approval details

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

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/ 3-ST-7,62 - 1716922



PCB connector, nominal current: 41 A, rated voltage (III/2): 1000 V, nominal cross section: 6 mm², number of positions: 3, pitch: 7.62 mm, connection method: Push-in spring connection, color: green, contact surface: Tin