

PCN-105D3MHZ,001B ✓ ACTIVE



OEG | OEG Slimline PCB Relay PCN

TE Internal #: 1721441-2

General Purpose Power Relay, DC, Monostable, 1 Form A SPST-NO, 5 A Contact Rating, 5 VDC Coil Voltage, OEG Slimline PCB Relay PCN

[View on TE.com >](#)

Relays & Contactors > Electromechanical Relays > Slim PCB Relay, PCN 3A/5A, 5VDC



Relay & Contactor Type: **General Purpose Power Relay**

Coil Magnetic System: **Monostable**

Contact Arrangement: **1 Form A SPST-NO**

Current Type: **DC**

Contact Current Rating: **5 A**

[All Slim PCB Relay, PCN 3A/5A, 5VDC \(2\)](#)

Features

Product Type Features

Relay & Contactor Type	General Purpose Power Relay
------------------------	-----------------------------

Configuration Features

Contact Special Features	Bifurcated/Twin Contacts
Contact Number of Poles	1
Coil Special Features	UL Coil Insulation Class F
Contact Arrangement	1 Form A SPST-NO

Electrical Characteristics

Contact Limiting Short-Time Current	3 A
Contact Limiting Making Current	3 A
Contact Limiting Continuous Current	3 A
Contact Limiting Breaking Current	3 A
Insulation Initial Dielectric Between Open Contacts	750 Vrms



Insulation Initial Dielectric Between Adjacent Contacts	750 Vrms
---	----------

Coil Current	.024 A
--------------	--------

Contact Switching Voltage (Max)	277 VAC
---------------------------------	---------

Contact Switching Load (Min)	100mA @ 5V
------------------------------	------------

Coil Resistance	208 Ω
-----------------	--------------

Insulation Initial Resistance	1000 M Ω
-------------------------------	-----------------

Contact Current Rating	5 A
------------------------	-----

Coil Voltage Rating	5 VDC
---------------------	-------

Contact Voltage Rating	30 VDC
------------------------	--------

Coil Power Rating DC	.12 W
----------------------	-------

Insulation Initial Dielectric Between Contacts & Coil	3000 Vrms
---	-----------

Body Features

Product Weight	3 g[.1058 oz]
----------------	---------------

Primary Product Color	White
-----------------------	-------

Enclosure Type	Flux Resistant Automatic Solder Capable & Washable
----------------	--

Contact Features

Contact Plating Material	Gold
--------------------------	------

Contact Material	AgNi
------------------	------

Termination Features

Main Termination & Connection Type	Solder Pins
------------------------------------	-------------

Coil Termination & Connection Type	Solder Pins
------------------------------------	-------------

Mechanical Attachment

Product Mount Type	Board Mount
--------------------	-------------

Dimensions

Insulation Clearance Between Contact & Coil	3.5 mm[.138 in]
---	-----------------

Insulation Creepage Between Contact & Coil	3.5 mm[.138 in]
--	-----------------

Product Width	5 mm[.197 in]
---------------	---------------

Product Length	20 mm[.787 in]
----------------	----------------

Product Height	12.5 mm[.492 in]
----------------	------------------

Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
-----------------------------	---------------------------



Environmental Category of Protection	RTIII
--------------------------------------	-------

Environmental Ambient Temperature (Max)	85 °C[185 °F]
---	---------------

Operation/Application

Solder Process	Wave Solder Capable
----------------	---------------------

Shock Resistance	100G's, 11ms
------------------	--------------

Coil Magnetic System	Monostable
----------------------	------------

Current Type	DC
--------------	----

Packaging Features

Packaging Method	Tube
------------------	------

Other

Coil Power Rating Class	≤.15 W
-------------------------	--------

Contact Current Class	>2 – ≤5 A
-----------------------	-----------

Height Class (Mechanical)	>11 – ≤14 mm[>.433 – ≤.551 in]
---------------------------	--------------------------------

Length Class (Mechanical)	>16 – ≤22 mm[>.63 – ≤.866 in]
---------------------------	-------------------------------

Width Class (Mechanical)	≤7 mm[≤.276 in]
--------------------------	-----------------

Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
------------------------------	-----------

EU ELV Directive 2000/53/EC	Compliant
-----------------------------	-----------

China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
---	---

EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JAN 2025 (247) Does not contain REACH SVHC
--	--

Halogen Content	Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
-----------------	--

Solder Process Capability	Wave solder capable to 265°C
---------------------------	------------------------------

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part

numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Also in the Series | OEG Slimline PCB Relay PCN



Customers Also Bought



Documents

[CAD Files](#)



Customer View Model

[ENG_CVM_CVM_1721441-2_L1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1721441-2_L1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1721441-2_L1.2d_dxf.zip](#)

English

[3D PDF](#)

[3D](#)

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[PCN Series Relay Data Sheet English](#)

English

Product Specifications

[PCN PACKAGE SPECIFICATION](#)

English

[Definitions General Purpose Relays](#)

English

Agency Approvals

[VDE Certificate](#)

English