

PCN-105D3MHZ,000 ✓ ACTIVE



OEG | OEG Slimline PCB Relay PCN

TE Internal #: 3-1461491-0

Power Relays, Standard, Monostable, DC, .01 VA Coil Power Rating

AC, 120 mW Coil Power Rating DC, 208 Ω Coil Resistance, OEG

Slimline PCB Relay PCN

[View on TE.com >](#)

Relays, Contactors & Switches > Relays > Power Relays > PCN 3A/5A SLIM PCB RELAY 5VDC



Power Relay Type: **Standard**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating Class: **100 – 150 mW**

Coil Power Rating AC: **.01 VA**

Coil Power Rating DC: **120 mW**

[All PCN 3A/5A SLIM PCB RELAY 5VDC \(2\)](#)

Features

Product Type Features

Enclosure Type	Sealed
Power Relay Type	Standard

Configuration Features

Output Switching	Random
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Electrical Characteristics

Insulation Initial Dielectric Between Coil & Contact Class	2500 – 3000 V
Input Voltage Typical	0 – 5 VDC
Output Current Rating	0 – 3 Arms
Actuating System	DC
Insulation Initial Dielectric Between Open Contacts	750 Vrms
Contact Limiting Short-Time Current	3 A
Coil Power Rating	.12 W



Insulation Creepage Class	3 – 5.5 mm
Output Voltage Rating (AC Relays)	0 – 277 Vrms
Output Voltage Rating (DC Relays)	0 – 30 VDC
Insulation Initial Dielectric Between Adjacent Contacts	750 Vrms
Shock	100G's, 11ms
Insulation Initial Resistance	1000 M Ω
Insulation Initial Dielectric Between Contacts & Coil	3000 Vrms
Output Voltage (Max)	277 V
Contact Limiting Making Current	3 A
Insulation Creepage Between Contact & Coil	3.5 mm[.138 in]
Contact Limiting Continuous Current	3 A
Output Current (Min)	.1 A
Contact Limiting Breaking Current	3 A
Coil Current	.024 A
Coil Magnetic System	Monostable, DC
Coil Power Rating Class	100 – 150 mW
Coil Power Rating AC	.01 VA
Coil Power Rating DC	120 mW
Coil Resistance	208 Ω
Coil Special Features	UL Coil Insulation Class F
Coil Voltage Rating	5 VDC
Contact Switching Load (Min)	100mA @ 5V
Contact Switching Voltage (Max)	125 VDC
Contact Voltage Rating	30 VDC

Body Features

Insulation Special Features	4000V Initial Surge Withstand Voltage between Contacts & Coil, Tracking Index of Relay Base PTI600
Product Weight	3 g[.1058 oz]
Packaging Style	Panel Mount
Case Color	White

Contact Features

Contact Plating Material	Gold
Switch Arrangement	1 Form A (SPST-NO)



Contact Special Features	Bifurcated/Twin Contacts
Contact Arrangement	1 Form A (NO)
Contact Current Class	2 – 5 A, 16 A
Contact Current Rating (Max)	3 A
Contact Material	AgNi
Contact Number of Poles	1
Relay Terminal Type	PCB-THT

Termination Features

Relay Termination Type	Printed Circuit Terminals
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Mechanical Attachment

Relay Mounting Type	Printed Circuit Board
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Dimensions

Length Class (Mechanical)	16 – 20 mm
Height Class (Mechanical)	12 – 13 mm
Insulation Clearance Between Contact & Coil	3.5 mm[.138 in]
Insulation Clearance Class	2.5 – 4 mm
Width Class (Mechanical)	0 – 6 mm
Product Width	5 mm[.197 in]
Product Length	20 mm[.787 in]
Product Height	12.5 mm[.492 in]

Usage Conditions

Environmental Ambient Temperature (Max)	85 °C[185 °F]
Environmental Ambient Temperature Class	70 – 85 °C
Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]

Packaging Features

Packaging Method	Tube
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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 2022 (224)

Candidate List Declared Against: JUL 2021 (219)

Does not contain REACH SVHC

Halogen Content

Not Low Halogen - contains Br or Cl > 900 ppm.

Solder Process Capability

Wave solder capable to 265°C

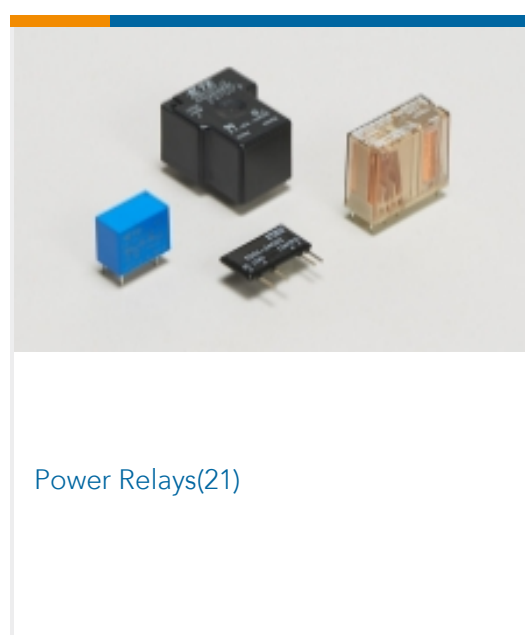
Product Compliance Disclaimer

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>

Compatible Parts



Also in the Series | OEG Slimline PCB Relay PCN



Documents

[Product Drawings](#)
[PCN-105D3MHZ,000](#)



English

CAD Files

Customer View Model

[ENG_CVM_CVM_3-1461491-0_J1.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-1461491-0_J1.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-1461491-0_J1.2d_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

[PCNH Relay Datasheet](#)

English

[PCN Series Relay Data Sheet English](#)

English

Product Specifications

[Definitions, Handling, Processing, Testing and Use of Relays](#)

English

[PCN-105D3MHZ](#)

Japanese

Product Environmental Compliance

[TE Material Declaration](#)

English