

PCN-112D3MHZ,001B

✓ ACTIVE

OEG | OEG Slimline PCB Relay PCN

TE Internal #: 1721441-5

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

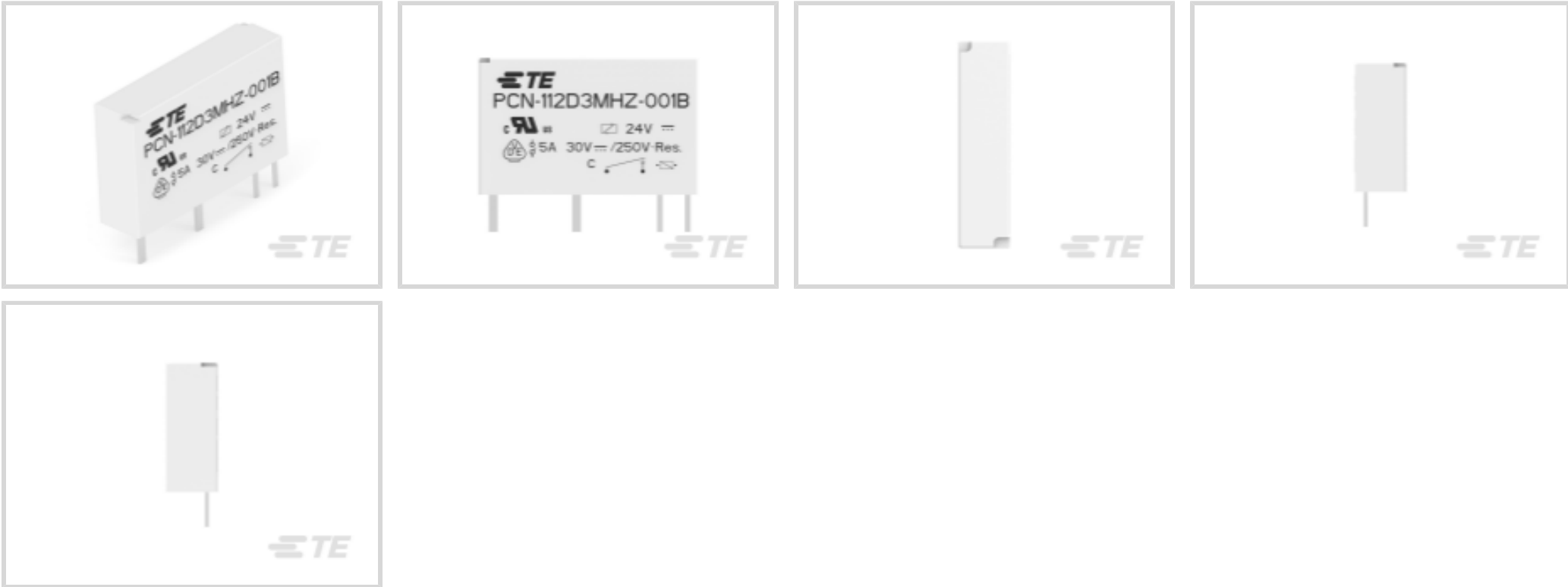
AC, 120 mW Coil Power Rating DC, 1200 Ω Coil Resistance, OEG

Slimline PCB Relay PCN

[View on TE.com >](#)



Relays & Contactors > Relays > Power Relays > Slim PCB Relay, PCN 3A/5A, 12VDC



- Relay Type: **Standard**
- Coil Magnetic System: **Monostable, DC**
- Coil Power Rating AC: **.01 VA**
- Coil Power Rating DC: **120 mW**
- Coil Resistance: **1200 Ω**

[All Slim PCB Relay, PCN 3A/5A, 12VDC \(2\)](#)

Features

Product Type Features

Relay Type	Standard
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Configuration Features

Insulation Special Features	4000V Initial Surge Withstand Voltage between Contacts & Coil, Tracking Index of Relay Base PTI600
Contact Special Features	Bifurcated/Twin Contacts
Coil Special Features	UL Coil Insulation Class F
Contact Arrangement	1 Form A (NO)
Contact Number of Poles	1

Electrical Characteristics

Output Current Rating	0 – 3 Arms
Coil Current	.01 A
Insulation Initial Dielectric Between Open Contacts	750 Vrms



Contact Limiting Short-Time Current	3 A
Coil Power Rating	.12 W
Output Voltage Rating (DC Relays)	0 – 30 VDC
Insulation Initial Dielectric Between Adjacent Contacts	750 Vrms
Insulation Initial Resistance	1000 MΩ
Insulation Initial Dielectric Between Contacts & Coil	3000 Vrms
Output Voltage (Max)	277 V
Contact Limiting Making Current	3 A
Contact Limiting Continuous Current	3 A
Output Voltage Rating (AC Relays)	0 – 277 Vrms
Output Current (Min)	.1 A
Input Voltage	0 – 12 VDC
Contact Limiting Breaking Current	3 A
Coil Power Rating AC	.01 VA
Coil Power Rating DC	120 mW
Coil Resistance	1200 Ω
Coil Voltage Rating	12 VDC
Contact Current Rating	3 A
Contact Switching Load (Min)	100mA @ 5V
Contact Switching Voltage (Max)	125 VDC
Contact Voltage Rating	30 VDC

Body Features

Enclosure Type	Sealed
Primary Product Color	White
Product Weight	3 g[.1058 oz]

Contact Features

Contact Plating Material	Gold
Contact Material	AgNi

Termination Features

Relay Connection Type	PCB Termination
Terminal Configuration	Solder Pins

Mechanical Attachment

Product Mount Type	Printed Circuit Board
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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[.196 in]
Product Length	20 mm[.787 in]
Product Height	12.5 mm[.492 in]

Usage Conditions

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

Operation/Application

Actuating System	DC
Solder Process	Wave Solder
Output Switching	Random
Shock Resistance	100G's, 11ms
Coil Magnetic System	Monostable, DC

Packaging Features

Packaging Method	Tube
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Other

Length Class (Mechanical)	16 – 20 mm
Insulation Initial Dielectric Between Coil & Contact Class	2500 – 3000 V
Insulation Creepage Class	3 – 5.5 mm
Height Class (Mechanical)	12 – 13 mm
Coil Power Rating Class	100 – 150 mW
Environmental Ambient Temperature Class	70 – 85 °C
Insulation Clearance Class	2.5 – 4 mm
Width Class (Mechanical)	0 – 6 mm
Contact Current Class	16 A

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: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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



TE Part # 1721441-1
PCN-103D3MHZ,001B

Also in the Series | OEG Slimline PCB Relay PCN



Power Relays(21)

Customers Also Bought





TE Part #2834049-1
REC, 2P LATCHED POKE-IN WTW
CONN.NL



TE Part #6-1419128-6
STD OEG Miniature PCB OJ/OJE Pow
Relays



TE Part #5-103634-8
09 MTE HDR SRRA LATCH.100CL LF



TE Part #6-104071-0
08 SYSTEM 50 HDR SRST SHRD SN



TE Part #1-1123724-2
3.96EP HDR ASSY 2(3)P NATURAL



TE Part #103634-8
09 MTE HDR SRRA LATCH .100CL



TE Part #1-103634-5
16 MTE HDR SRRA LATCH .100CL

Documents

CAD Files

Customer View Model

ENG_CVM_CVM_1721441-5_L1.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1721441-5_L1.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_1721441-5_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

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Power Rating DC, 1200 Ω Coil Resistance, OEG Slimline PCB Relay PCN

