PCN-105D3MHZ,000 ✔ ACTIVE

OEG | OEG Slimline PCB Relay PCN

TE Internal #: 3-1461491-0

General Purpose Power Relay, DC, Monostable, 1 Form A SPST-NO, 3 A Contact Rating, 5 VDC Coil Voltage, OEG Slimline PCB Relay PCN

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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: **3 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 MΩ
Contact Current Rating	3 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>

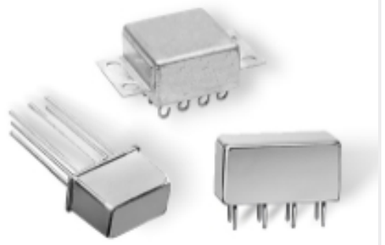
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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



DC Relays(11)



Electromechanical Relays(11)

Customers Also Bought



TE Part #164161-9
.062 PIN ASSY.3+



TE Part #382811-9
SHUNT, ECON, PHBR 15AU, RED



TE Part #487576-2
10 ZIF LINE 50 ASSY



TE Part #826953-3
MOD-2 PIN HDR.2X03P



TE Part #3-1415543-3
SR6V6K18



TE Part #2-1445057-4
MICRO MNL HDR ASSY SINGLE ROW



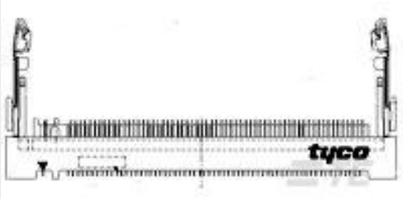
TE Part #2-1445057-7
MICRO MNL HDR ASSY SINGLE ROW



TE Part #4-1879314-7
DPL12S 24P 24DET 21F RD/GRN



TE Part #5745438-4
09 RCPT RA/MS 454



TE Part #1717831-1
MINI PCI EXPRESS SEMI HARD TRAY CONN

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

PCN-105D3MHZ

Japanese

Definitions General Purpose Relays

English

Agency Approvals

VDE Certificate

English