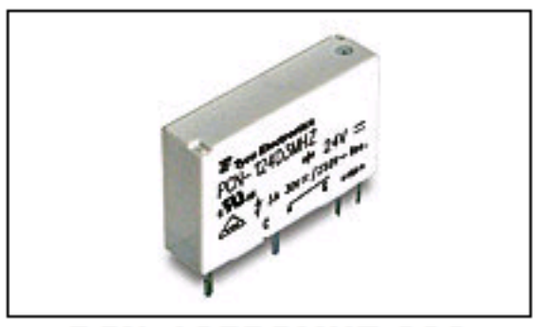
PCN-105D3MHZ,000 Product Details



PCN-105D3MHZ,000
(3-1461491-0)
TE Internal Number: 3-1461491-0
Active

View 3D PDF

Industrial Relays (General Purpose)

Converted to EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- PCN Series
- Contact - Current Class = 2A to 5A Class, Less Than 16A
- Contact - Rated Current = 3 A
- Terminal Type = PCB-THT
- Contact - Arrangement = 1 Form A (NO)

View all Features

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Quick Links

- Pricing & Availability
- Search for Tooling
- Product Feature Selector
- Contact Us About This Product

Documentation & Additional Information

Product Drawings:
- PCN D3M CUSTOMER DRAWING (PDF, English)

Catalog Pages/Data Sheets:
- None Available

Product Specifications:
- None Available

Application Specifications:
- None Available

Instruction Sheets:
- None Available

CAD Files: (CAD Format & Compression Information)
- 2D Drawing (DXF, Version G)
- 3D Model (IGES, Version G)
- 3D Model (STEP, Version G)

List all Documents

Additional Information:
- Product Line Information

Additional Product Images:
- Product Photo
- Wiring Diagram

Related Products:
- Tooling

Product Features (Please use the Product Drawing for all design activity)

Product Type Features:
- Series = PCN
- Terminal Type = PCB-THT

Electrical Characteristics:
- Contact - Current Class = 2A to 5A Class, Less Than 16A
- Contact - Rated Current (A) = 3
- Contact - Limiting Continuous Current (A) = 3
- Contact - Limiting Making Current (A) = 3
- Contact - Limiting Breaking Current (A) = 3
- Insulation - Initial Dielectric Between Coil/Contact Class = 2500V to 3000V Class
- Insulation - Initial Dielectric Between Open Contacts (V rms) = 750
- Insulation - Initial Dielectric Between Contacts and Coil (V rms) = 3000
- Contact - Rated Voltage (VAC) = 250
- Contact - Rated Voltage (VDC) = 30
- Contact - Switching Voltage Max. (VAC) = 277
- Contact - Switching Voltage Max. (VDC) = 125
- Contact - Switching Recommended Load, Min. = n.amA at n.aV
- Coil - Rated Voltage (VDC) = 5
- Coil - Resistance (Ω) = 208
- Coil - Rated Power, DC (mW) = 120
- Coil - Rated Power Class = 100mW to 150mW Class
- Insulation - Initial Insulation Resistance (MΩ) = 1000
- Insulation - Creepage Class = 3mm to 5.5mm Class
- Insulation - Clearance Class = 2.5mm to 4mm Class
- Insulation - Special Features = 4000V Initial Surge Withstand Voltage between Contacts and Coil, Tracking Index of Relay Base PTI600

Dimensions:
- Mechanical - Length Class = 16mm to 20mm Class
- Length (mm [in]) = 20.00 [0.787]
- Mechanical - Width Class = 0 to 6mm Class
- Width (mm [in]) = 5.00 [0.197]
- Mechanical - Height Class = 12mm to 13mm Class
- Height (mm [in]) = 12.50 [0.492]
- Insulation - Clearance Between Contact and Coil (mm [in]) = 3.5 [0.138]
- Insulation - Creepage Between Contact and Coil (mm [in]) = 3.5 [0.138]

Body Features:
- Mount Type = PCB
- Weight (g [oz]) = 3.00 [0.1058]

Contact Features:
- Contact Material = AgNi, gold plated
- Contact - Number of Poles = 1
- Contact - Special Features = Bifurcated/Twin Contacts

Configuration Features:
- Contact - Arrangement = 1 Form A (NO)
- Coil - Magnetic System = Monostable, DC
- Coil - Special Features = UL Coil Insulation Class A

Industry Standards:
- RoHS/ELV Compliance = RoHS compliant, ELV compliant
- Lead Free Solder Processes = Wave solder capable to 240°C, Wave solder capable to 260°C, Wave solder capable to 265°C
- RoHS/ELV Compliance History = Converted to comply with RoHS directive
- Approved/Registered Standards = VDE, CQC, cULus

Environmental:
- Environmental - Category of Protection = RTIII
- Environmental - Ambient Temperature, Max. (°C [°F]) = 70 [158]
- Environmental - Ambient Temperature Class = 50°C to 70°C Class

Packaging Features:
- Packaging Method = Tube

Other:
- Brand = OEG