



1937650-5 Product Details

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1937650-5

TE Internal Number: 1937650-5

Active

Industrial Relays (General Purpose)

Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- RTX Series
- Contact - Current Class = 10A to 20A Class, Greater Than 16A
- Contact - Rated Current = 16 A
- Terminal Type = PCB-THT
- Contact - Arrangement = 1 Form A (NO)

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Documentation & Additional Information

Product Drawings:

- None Available

Catalog Pages/Data Sheets:

- [Power PCB Relay RTX \(PDF, English\)](#)

Product Specifications:

- None Available

Application Specifications:

- None Available

Instruction Sheets:

- None Available

CAD Files:

- None Available

[List all Documents](#)

Additional Information:

- [Product Line Information](#)

Related Products:

- [Tooling](#)

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

Product Type Features:

- Series = RTX
- Terminal Type = PCB-THT

Electrical Characteristics:

- Contact - Current Class = 10A to 20A Class, Greater Than 16A
- [Contact - Rated Current \(A\)](#) = 16
- Contact - Limiting Continuous Current (A) = 16
- Contact - Limiting Making Current (A) = 16
- Contact - Limiting Breaking Current (A) = 16
- Insulation - Initial Dielectric Between Coil/Contact Class = >4000V Class
- Insulation - Initial Dielectric Between Open Contacts (V rms) = 1250
- Insulation - Initial Dielectric Between Contacts and Coil (V rms) = 5000
- Contact - Rated Voltage (VAC) = 250
- Contact - Limiting Short-Time Current (A) = 16
- Coil - Rated Voltage (VDC) = 12
- Coil - Resistance (Ω) = 220
- Coil - Rated Power, DC (mW) = 650
- Insulation - Creepage Class = 5.5mm to 8mm Class
- Insulation - Clearance Class = 5mm to 8mm Class
- Insulation - Special Features = Tracking Index of Relay Base PTI250

Dimensions:

- Mechanical - Length Class = 25mm to 30mm Class
- Length (mm [in]) = 29.11 [1.146]
- Mechanical - Width Class = 12mm to 16mm Class
- Width (mm [in]) = 12.70 [0.500]
- Mechanical - Height Class = 15mm to 16mm Class
- Height (mm [in]) = 16.00 [0.630]
- Insulation - Clearance Between Contact and Coil (mm [in]) = 6 [0.236]
- Insulation - Creepage Between Contact and Coil (mm [in]) = 6 [0.236]

Body Features:

- Mount Type = PCB
- Weight (g [oz]) = 11.00 [0.388]

Contact Features:

- Contact Material = W + AgSnO
- Contact - Number of Poles = 1
- Contact - Special Features = Flip-Flop Contacts

Configuration Features:

- [Contact - Arrangement](#) = 1 Form A (NO)
- [Coil - Magnetic System](#) = Bistable, 1 Coil
- Coil - Special Features = UL Coil Insulation Class F

Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Wave solder capable to 260°C, Wave solder capable to 240°C, Wave solder capable to 265°C
- RoHS/ELV Compliance History = Always was RoHS compliant
- Approved/Registered Standards = VDE, 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 = Schrack