



RTE24024F Product Details

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RTE24024F
(3-1393237-3)

TE Internal Number: 3-1393237-3

Active

Industrial Relays (General Purpose)

[Converted to EU RoHS/ELV Compliant \(Statement of Compliance\)](#)

Product Highlights:

- RT 2 Series
- Contact - Current Class = 5A to 10A Class, Less Than 16A
- Contact - Rated Current = 8 A
- Terminal Type = PCB-THT, Plug-in
- Contact - Arrangement = 2 Form C (CO)

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Documentation & Additional Information

Product Drawings:

- None Available

Catalog Pages/Data Sheets:

- [Power PCB Relay RT2 \(PDF, English\)](#)
- [Power PCB Relay RT2 Potter & Brumfield \(PDF, English\)](#)

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)

Electrical Characteristics:

- Contact - Current Class = 5A to 10A Class, Less Than 16A
- [Contact - Rated Current \(A\)](#) = 8
- Contact - Limiting Continuous Current (A) = 8
- Contact - Limiting Making Current (A) = 15
- Contact - Limiting Breaking Current (A) = 8
- Insulation - Initial Dielectric Between Coil/Contact Class = >4000V Class
- Insulation - Initial Dielectric Between Open Contacts (V rms) = 1000
- Insulation - Initial Dielectric Between Contacts and Coil (V rms) = 5000
- Contact - Rated Voltage (VAC) = 250
- Contact - Switching Voltage Max. (VAC) = 400
- Contact - Limiting Short-Time Current (A) = 8
- Coil - Rated Voltage (VDC) = 24
- [Coil - Resistance \(Ω\)](#) = 1440
- [Coil - Rated Power, DC \(mW\)](#) = 400
- Coil - Rated Power Class = 300mW to 400mW Class
- Insulation - Initial Dielectric Between Adjacent Contacts (V rms) = 2500
- Insulation - Creepage Class = >8mm Class
- Insulation - Clearance Class = >8mm Class
- Insulation - Special Features = Tracking Index of Relay Base PTI250

Dimensions:

- Mechanical - Length Class = 25mm to 30mm Class
- Length (mm [in]) = 29.00 [1.142]
- Mechanical - Width Class = 12mm to 16mm Class
- Width (mm [in]) = 12.70 [0.500]
- Mechanical - Height Class = 15mm to 16mm Class

Body Features:

- Mount Type = PCB, Socket
- Weight (g [oz]) = 13.00 [0.459]

Contact Features:

- Terminal Type = PCB-THT, Plug-in
- Contact Material = AgNi90/10
- Contact - Number of Poles = 2

Configuration Features:

- [Contact - Arrangement](#) = 2 Form C (CO)
- [Coil - Magnetic System](#) = Monostable, DC
- 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
- RoHS/ELV Compliance History = Converted to comply with RoHS directive
- Approved/Registered Standards = cULus, CQC, cCSAus, VDE

Environmental:

- Environmental - Category of Protection = RTIII
- Environmental - Ambient Temperature, Max. (°C [°F]) = 85 [185]
- Environmental - Ambient Temperature Class = 70°C to 85°C Class

Packaging Features:

- Packaging Method = Tube

Other:

Feedback

- Height (mm [in]) = 15.70 [0.618]
- Insulation - Clearance Between Contact and Coil (mm [in]) = 10 [0.394]
- Insulation - Creepage Between Contact and Coil (mm [in]) = 10 [0.394]

- Series = RT 2
- Brand = Potter & Brumfield
- Accessories/Socket Type = DIN-rail Socket, PCB Socket

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