RT314A24 Product Details

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RT314A24
(8-1393239-1)
TE Internal Number: 8-1393239-1
Active

Industrial Relays (General Purpose)

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

Product Highlights:

- RT1 bistable Series
- Contact - Current Class = 10A to 20A Class, Greater Than 16A
- Contact - Rated Current = 16 A
- Terminal Type = PCB-THT, Plug-in
- Contact - Arrangement = 1 Form C (CO)

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Documentation & Additional Information

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Additional Information:

- Product Line Information

Related Products:

- Tooling

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

Electrical Characteristics:

- Contact - Current Class = 10A to 20A Class, Greater Than 16A
- Contact - Rated Current (A) = 16
- Contact - Limiting Continuous Current (A) = 20
- Contact - Limiting Making Current (A) = 30
- Contact - Limiting Breaking Current (A) = 16
- 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) = 16
- Coil - Rated Voltage (VDC) = 24
- Coil - Resistance (Ω) = 1440
- Coil - Rated Power, DC (mW) = 400
- 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
- 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]

Body Features:

- Mount Type = PCB, Socket
- Weight (g [oz]) = 14.00 [0.494]

Contact Features:

- Terminal Type = PCB-THT, Plug-in
- Contact Material = AgNi90/10
- Contact - Number of Poles = 1

Configuration Features:

- Contact - Arrangement = 1 Form C (CO)
- 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 = Converted to comply with RoHS directive
- Approved/Registered Standards = VDE, cCSAus, cULus

Environmental:

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

Packaging Features:

- Packaging Method = Tube

Other:

- Series = RT1 bistable
- Brand = Schrack
- Accessories/Socket Type = PCB Socket, DIN-rail Socket

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