



2-1416010-3 Product Details

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2-1416010-3

TE Internal Number: 2-1416010-3

Active

Industrial Relays (General Purpose)

Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- RE Series
- Contact - Current Class = 5A to 10A Class, Less Than 16A
- Contact - Rated Current = 6 A
- Terminal Type = PCB-THT
- Contact - Arrangement = 1 Form A (NO)

[View all Features](#)

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Documentation & Additional Information

Product Drawings:
• None Available

Catalog Pages/Data Sheets:
• None Available

Product Specifications:
• None Available

Application Specifications:
• None Available

Instruction Sheets:
• None Available

CAD Files:
• None Available

Additional Information:
• [Product Line Information](#)

Related Products:
• [Tooling](#)

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

Product Type Features:

- Series = RE
- Terminal Type = PCB-THT

Electrical Characteristics:

- Contact - Current Class = 5A to 10A Class, Less Than 16A
- Contact - Rated Current (A) = 6
- Contact - Limiting Continuous Current (A) = 6
- Contact - Limiting Making Current (A) = 15
- Contact - Limiting Breaking Current (A) = 6
- Insulation - Initial Dielectric Between Coil/Contact Class = 3500V to 4000V Class
- Insulation - Initial Dielectric Between Open Contacts (V rms) = 1000
- Insulation - Initial Dielectric Between Contacts and Coil (V rms) = 4000
- Contact - Rated Voltage (VAC) = 250
- Contact - Switching Voltage Max. (VAC) = 400
- Contact - Limiting Short-Time Current (A) = 6
- Coil - Rated Voltage (VDC) = 5
- Coil - Resistance (Ω) = 125
- Coil - Rated Power, DC (mW) = 200
- Coil - Rated Power Class = 150mW to 200mW Class
- Insulation - Initial Insulation Resistance (MΩ) = 1000000
- Insulation - Creepage Class = 3mm to 5.5mm Class
- Insulation - Clearance Class = 2.5mm to 4mm Class
- Insulation - Special Features = Tracking Index of Relay Base PTI250

Dimensions:

- Mechanical - Length Class = 16mm to 20mm Class
- Length (mm [in]) = 20.00 [0.787]
- Mechanical - Width Class = 8mm to 10mm Class
- Width (mm [in]) = 10.00 [0.394]
- Mechanical - Height Class = 10mm to 11mm Class
- Height (mm [in]) = 10.60 [0.417]
- Insulation - Clearance Between Contact and Coil (mm [in]) = 4 [0.157]
- Insulation - Creepage Between Contact and Coil (mm [in]) = 4 [0.157]

Body Features:

- Mount Type = PCB
- Weight (g [oz]) = 5.00 [0.1764]

Contact Features:

- Contact Material = AgNi90/10
- Contact - Number of Poles = 1

Configuration Features:

- Contact - Arrangement = 1 Form A (NO)
- 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 = Always was RoHS compliant
- Approved/Registered Standards = VDE, cULus, cCSAus

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

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