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**7-1393239-7 Product Details** [Share](#) [Print](#) [Email](#)



**7-1393239-7**  
(RT314A03)  
TE Internal Number: 7-1393239-7  
✔ 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   |  |
|--|--|
| <p><b>Product Drawings:</b></p> <ul style="list-style-type: none"> <li>• None Available</li> </ul> <p><b>Catalog Pages/Data Sheets:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Power PCB Relay RT1 bistable (PDF, English)</a></li> </ul> <p><b>Product Specifications:</b></p> <ul style="list-style-type: none"> <li>• None Available</li> </ul> <p><b>Application Specifications:</b></p> <ul style="list-style-type: none"> <li>• None Available</li> </ul> <p><b>Instruction Sheets:</b></p> <ul style="list-style-type: none"> <li>• None Available</li> </ul> <p><b>CAD Files:</b></p> <ul style="list-style-type: none"> <li>• None Available</li> </ul> | <p><b>Additional Information:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Product Line Information</a></li> </ul> <p><b>Related Products:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Tooling</a></li> </ul> |
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| Product Features (Please use the Product Drawing for all design activity)  |  |
|--|--|
| <p><b>Electrical Characteristics:</b></p> <ul style="list-style-type: none"> <li>• Contact - Current Class = 10A to 20A Class, Greater Than 16A</li> <li>• Contact - Rated Current (A) = 16</li> <li>• Contact - Limiting Continuous Current (A) = 20</li> <li>• Contact - Limiting Making Current (A) = 30</li> <li>• Contact - Limiting Breaking Current (A) = 16</li> <li>• Insulation - Initial Dielectric Between Coil/Contact Class = &gt;4000V Class</li> <li>• Insulation - Initial Dielectric Between Open Contacts (V rms) = 1000</li> <li>• Insulation - Initial Dielectric Between Contacts and Coil (V rms) = 5000</li> <li>• Contact - Rated Voltage (VAC) = 250</li> <li>• Contact - Switching Voltage Max. (VAC) = 400</li> <li>• Contact - Limiting Short-Time Current (A) = 16</li> <li>• Coil - Rated Voltage (VDC) = 3</li> <li>• Coil - Resistance (Ω) = 21</li> <li>• Coil - Rated Power, DC (mW) = 429</li> <li>• Insulation - Creepage Class = &gt;8mm Class</li> <li>• Insulation - Clearance Class = &gt;8mm Class</li> <li>• Insulation - Special Features = Tracking Index of Relay Base PTI250</li> </ul> <p><b>Dimensions:</b></p> <ul style="list-style-type: none"> <li>• Mechanical - Length Class = 25mm to 30mm Class</li> <li>• Length (mm [in]) = 29.00 [1.142]</li> <li>• Mechanical - Width Class = 12mm to 16mm Class</li> <li>• Width (mm [in]) = 12.70 [0.500]</li> <li>• Mechanical - Height Class = 15mm to 16mm Class</li> <li>• Height (mm [in]) = 15.70 [0.618]</li> <li>• Insulation - Clearance Between Contact and Coil (mm</li> </ul> | <p><b>Body Features:</b></p> <ul style="list-style-type: none"> <li>• Mount Type = PCB, Socket</li> <li>• Weight (g [oz]) = 14.00 [0.494]</li> </ul> <p><b>Contact Features:</b></p> <ul style="list-style-type: none"> <li>• Terminal Type = PCB-THT, Plug-in</li> <li>• Contact Material = AgNi90/10</li> <li>• Contact - Number of Poles = 1</li> </ul> <p><b>Configuration Features:</b></p> <ul style="list-style-type: none"> <li>• Contact - Arrangement = 1 Form C (CO)</li> <li>• Coil - Magnetic System = Bistable, 1 Coil</li> <li>• Coil - Special Features = UL Coil Insulation Class F</li> </ul> <p><b>Industry Standards:</b></p> <ul style="list-style-type: none"> <li>• RoHS/ELV Compliance = RoHS compliant, ELV compliant</li> <li>• Lead Free Solder Processes = Wave solder capable to 240°C, Wave solder capable to 260°C, Wave solder capable to 265°C</li> <li>• RoHS/ELV Compliance History = Converted to comply with RoHS directive</li> <li>• Approved/Registered Standards = cULus, cCSAus, VDE</li> </ul> <p><b>Environmental:</b></p> <ul style="list-style-type: none"> <li>• Environmental - Category of Protection = RTII</li> <li>• Environmental - Ambient Temperature, Max. (°C [°F]) = 85 [185]</li> <li>• Environmental - Ambient Temperature Class = 70°C to 85°C Class</li> </ul> <p><b>Packaging Features:</b></p> <ul style="list-style-type: none"> <li>• Packaging Method = Tube</li> </ul> |

[in] = 10 [0.394]

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

**Other:**

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

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