



What can we help you find?

[Products](#) [Industries](#) [Resources](#) [About TE](#) [My Account](#) [Innovation](#) [Support Center](#)**7-1393239-6 Product Details**[Share](#)[Print](#)[Email](#)**7-1393239-6**
(RT31L048)

TE Internal Number: 7-1393239-6



Active

Industrial Relays (General Purpose)

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

Product Highlights:

- RT1 Inrush 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)

[View all Features](#)**Quick Links**

- ▶ [Pricing & Availability](#)
- ▶ [Search for Tooling](#)
- ▶ [Product Feature Selector](#)
- ▶ [Contact Us About This Product](#)

[Add to My Part List](#)[Request Sample](#)[Find Similar Products](#)[Buy Product](#)**Documentation & Additional Information****Product Drawings:**

- None Available

Catalog Pages/Data Sheets:

- [Power PCB Relay RT1 Inrush](#) (PDF, English)

Product Specifications:

- None Available

Application Specifications:

- None Available

Instruction Sheets:

- None Available

CAD Files:

- None Available

Additional Information:

- [Product Line Information](#)

Related Products:

- [Tooling](#)

[List all Documents](#)**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) = 16
- 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) = 48
- [Coil - Resistance \(Ω\)](#) = 5520
- [Coil - Rated Power, DC \(mW\)](#) = 417
- Coil - Rated Power Class = 400mW to 500mW Class
- Insulation - Creepage Class = >8mm Class
- Insulation - Clearance Class = >8mm Class
- Insulation - Special Features = Tracking Index of Relay Base PT1250

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]

Body Features:

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

Contact Features:

- Terminal Type = PCB-THT, Plug-in
- Contact Material = AgSnO
- Contact - Number of Poles = 1

Configuration Features:

- [Contact - Arrangement](#) = 1 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, Wave solder capable to 265°C
- RoHS/ELV Compliance History = Converted to comply with RoHS directive
- Approved/Registered Standards = cCSA us, cULus, VDE

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