

**RT33L048**

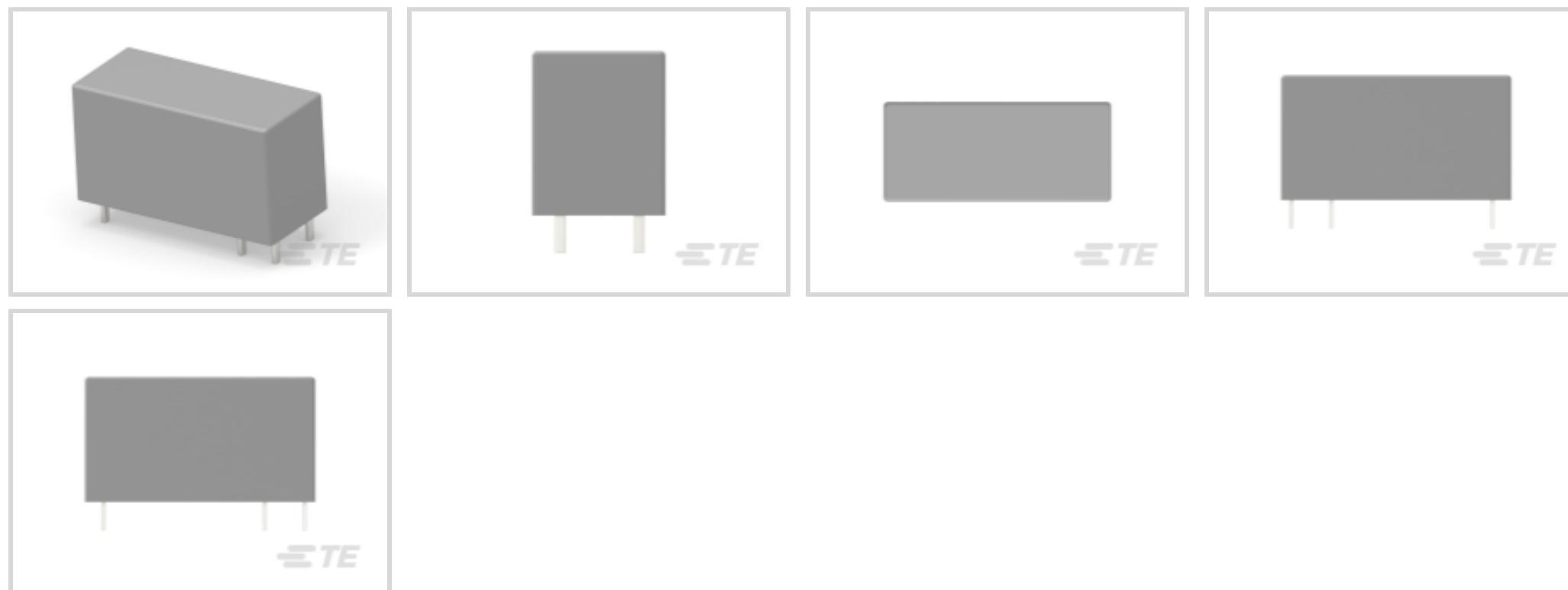
✓ ACTIVE

**SCHRACK | SCHRACK Power PCB Relay RT1**

TE Internal #: 3-1393240-6

Power Relays, Standard, Monostable, 417 mW Coil Power Rating  
DC, 5520  $\Omega$  Coil Resistance, UL Coil Insulation Class F, SCHRACK  
Power PCB Relay RT1[View on TE.com >](#)

Relays &amp; Contactors &gt; Relays &gt; Power Relays

Relay Type: **Standard**Coil Magnetic System: **Monostable**Coil Power Rating DC: **417 mW**Coil Resistance: **5520  $\Omega$** Coil Special Features: **UL Coil Insulation Class F**

## Features

### Product Type Features

Relay Type	Standard
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### Configuration Features

Insulation Special Features	Tracking Index of Relay Base PTI250
Coil Special Features	UL Coil Insulation Class F
Contact Arrangement	1 Form A (NO)
Contact Number of Poles	1

### Electrical Characteristics

Insulation Initial Dielectric Between Open Contacts	1000 Vrms
Contact Limiting Making Current	30 A
Contact Limiting Short-Time Current	16 A
Contact Limiting Continuous Current	16 A
Insulation Initial Dielectric Between Contacts & Coil	5000 Vrms
Contact Limiting Breaking Current	16 A
Coil Power Rating DC	417 mW

Coil Resistance	5520 Ω
Coil Voltage Rating	48 VDC
Contact Current Rating	16 A
Contact Switching Voltage (Max)	400 VAC
Contact Voltage Rating	250 VAC

#### Body Features

Product Weight	14 g [.494 oz]
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#### Contact Features

Contact Material	AgSnO2
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#### Termination Features

Relay Connection Type	PCB Termination
Terminal Configuration	Solder Pins

#### Mechanical Attachment

Product Mount Type	Printed Circuit Board
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#### Dimensions

Insulation Clearance Between Contact & Coil	10 mm [.394 in]
Insulation Creepage Between Contact & Coil	10 mm [.394 in]
Product Width	12.7 mm [.5 in]
Product Length	29 mm [1.14 in]
Product Height	15.7 mm [.618 in]

#### Usage Conditions

Environmental Ambient Temperature (Max)	85 °C [185 °F]
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#### Operation/Application

Actuating System	DC
Solder Process	Wave Solder
Coil Magnetic System	Monostable

#### Packaging Features

Packaging Method	Carton, Tube
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#### Other

Length Class (Mechanical)	25 - 30 mm
Insulation Initial Dielectric Between Coil & Contact Class	4000 V

Environmental Ambient Temperature Class	70 - 85 °C
Insulation Creepage Class	8 mm
Insulation Clearance Class	8 mm
Height Class (Mechanical)	15 - 16 mm
Coil Power Rating Class	400 - 500 mW
Width Class (Mechanical)	12 - 16 mm
Contact Current Class	16 A

## Product Compliance

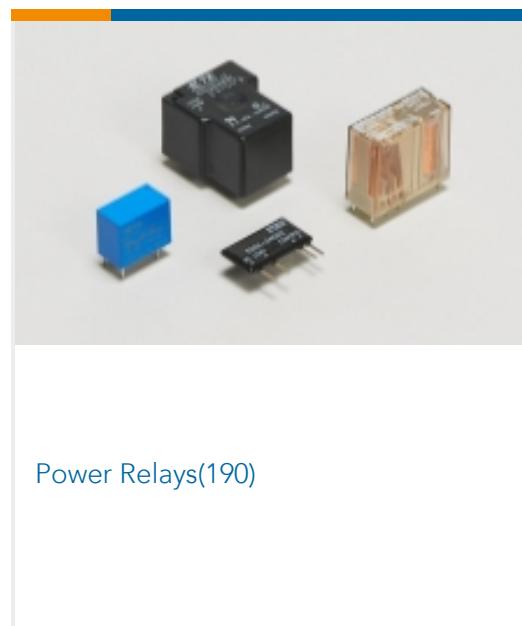
For compliance documentation, visit the product page on [TE.com](https://www.te.com/compliance)>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JAN 2024 (240) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder capable to 265°C

### Product Compliance Disclaimer

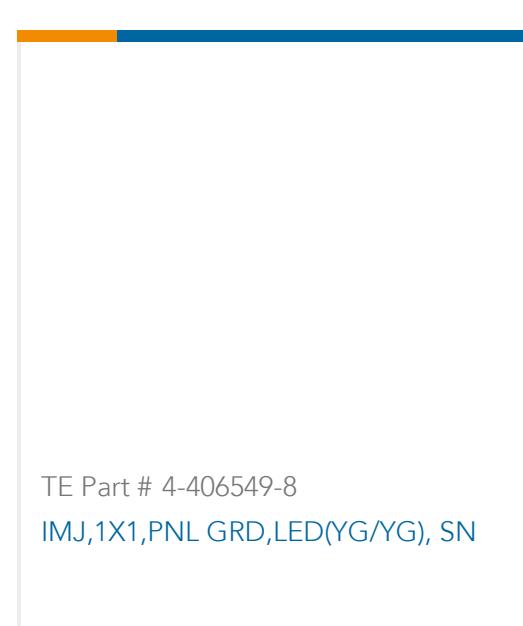
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

## Compatible Parts

TE Part # 7-1393239-6  
RT31L048Also in the Series | **SCHRACK Power PCB Relay RT1**

Power Relays(190)

## Customers Also Bought

TE Part # 216398-4  
48P.IEC-C MALECONNTE Part # 5536397-5  
ASSY,RECEPT,EURO,TYPE C/2,LEADTE Part # 2013504-1  
ME CONN MOLD TYPE JACK CAPTE Part # 5-2232516-1  
SCSI .050 REC ASS'Y 50P PB-FREETE Part # 224151-E  
M8 FEMALE, A CODE, 4P, 16.25MM  
SMTTE Part # 225243-E  
M12 MALE, A CODE, RA, 4P THR  
FRONT MOUNTTE Part # 234235-E  
M8 MALE, A CODE, 4P, 16.25MM SMTTE Part # 284740-E  
M12 MALE, A CODE, 5P, 10.5MM SMTTE Part # 394331-E  
M12 MALE, A CODE, 8P, 17MM SMTTE Part # 4-406549-8  
IMJ,1X1,PNL GRD,LED(YG/YG), SN

## Documents

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_3-1393240-6\\_E.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-1393240-6\\_E.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_3-1393240-6\\_E.2d\\_dxf.zip](#)

English

### 3D PDF

3D

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Datasheets & Catalog Pages

[Power PCB Relay RT1 Inrush](#)

English

### Product Specifications

[Definitions General Purpose Relays](#)

English

### Agency Approvals

[VDE Certificate](#)

English