# RT33K048 ✔ ACTIVE

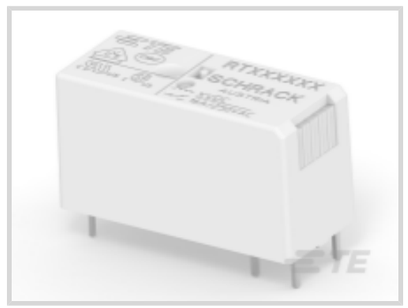
SCHRACK | SCHRACK Power PCB Relay RT1

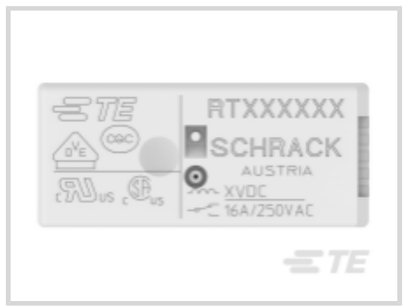
TE Internal #: 2-1393240-5

General Purpose Power Relay, DC, Monostable, 1 Form A SPST-NO, 16 A Contact Rating, 48 VDC Coil Voltage, SCHRACK Power PCB Relay RT1

View on TE.com >

Relays & Contactors > Electromechanical Relays






Relay & Contactor Type: **General Purpose Power Relay**

Current Type: **DC**

Coil Magnetic System: **Monostable**

Contact Arrangement: **1 Form A SPST-NO**

Contact Current Rating: **16 A**

## Features

### Contact Features

| | |
|---|---|
| Contact Material | AgNi90/10 |

### 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] |

### Packaging Features

| | |
|---|---|
| Packaging Method | Carton, Box & Tube |

### Other

| | |
|---|---|
| Coil Power Rating Class | .4 – .5 W |
| Contact Current Class | 16 A |
| Environmental Ambient Temperature Class | 70 – 85 °C |
| Height Class (Mechanical) | 15 – 16 mm |

| | |
|---|---|
| Length Class (Mechanical) | 25 – 30 mm |
| Width Class (Mechanical) | 12 – 16 mm |
| EU RoHS Compliance | Compliant |
| EU ELV Compliance | Compliant |

## Usage Conditions

| | |
|---|---|
| Environmental Category of Protection | RTII |
| Environmental Ambient Temperature (Max) | 85 °C[185 °F] |

## Body Features

| | |
|---|---|
| Product Weight | 14 g[.494 oz] |
| Enclosure Type | Flux Resistant Automatic Soldering |

## Electrical Characteristics

| | |
|---|---|
| Contact Limiting Short-Time Current | 16 A |
| Contact Limiting Making Current | 30 A |
| Contact Limiting Continuous Current | 16 A |
| Contact Limiting Breaking Current | 16 A |
| Insulation Initial Dielectric Between Open Contacts | 1000 Vrms |
| Contact Switching Voltage (Max) | 400 VAC |
| Coil Resistance | 5520 Ω |
| Contact Current Rating | 16 A |
| Coil Voltage Rating | 48 VDC |
| Contact Voltage Rating | 250 VAC |
| Coil Power Rating DC | .417 W |
| Insulation Initial Dielectric Between Contacts & Coil | 5000 Vrms |

## Configuration Features

| | |
|---|---|
| Contact Number of Poles | 1 |
| Coil Special Features | UL Coil Insulation Class F |
| Contact Arrangement | 1 Form A SPST-NO |

## Operation/Application

| | |
|---|---|
| Solder Process | Wave Solder |
| Current Type | DC |
| Coil Magnetic System | Monostable |

## Product Type Features

| | |
|---|---|
| Relay & Contactor Type | General Purpose Power Relay |

### Termination Features

| | |
|---|---|
| Main Termination & Connection Type | Solder Pins |
| Coil Termination & Connection Type | Solder Pins |

### Mechanical Attachment

| | |
|---|---|
| Product Mount Type | Board Mount |

## Product Compliance

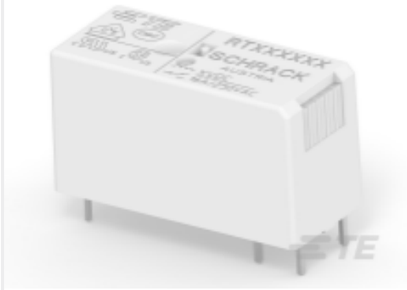
For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| 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: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>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 # 2-1393240-3
RT33K012

## Also in the Series | SCHRACK Power PCB Relay RT1



DC Relays(122)

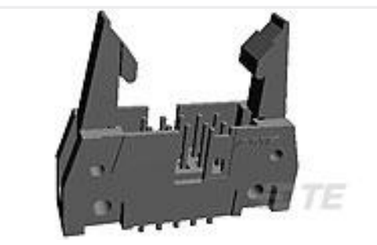


General Purpose Power Relays(190)



PCB Relays(190)

## Customers Also Bought



TE Part #5499374-8
A/L UNIV HDR 34P VERT SHT LAT




TE Part #5-2176070-5
3521 1K8 1% 2W



TE Part #825440-8
OD 2 PINHDR 2X08P.



TE Part #2108609-5
3.0H SPRING FINGER WITH EMBOSS



TE Part #2-1393194-1
T77V1D10-24



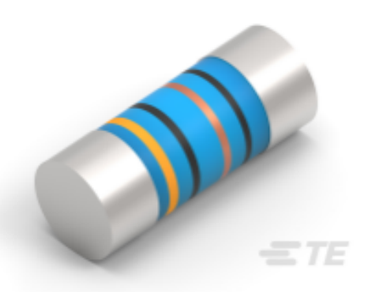
TE Part #5-1623930-4
CFR25 5% 220R



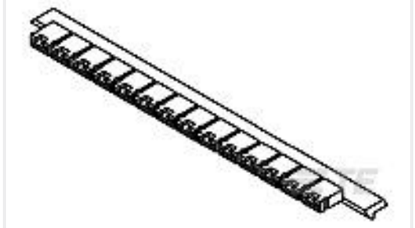
TE Part #1761879-1
CONNECTOR ASSEMBLY, SEC II POWER, DUAL P



TE Part #2176079-1
EP 3W 10R 5%



TE Part #9-2176316-6
MELF SMA-A 470K 1% 50PPM 0207 1W



TE Part #142270-3
CONNECTOR SHUNT 2 P

## Documents

### CAD Files

**Customer View Model**

ENG_CVM_CVM_2-1393240-5_E.3d_igs.zip

English

**Customer View Model**

ENG_CVM_CVM_2-1393240-5_E.3d_stp.zip

English

**Customer View Model**

ENG_CVM_CVM_2-1393240-5_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