RTD14009F ✔ ACTIVE

Potter & Brumfield | Potter & Brumfield Power PCB Relay RT1

TE Internal #: 1-1393242-0

Power Relays, Standard, Monostable, DC, 400 mW Coil Power Rating DC, 200 Ω Coil Resistance, Potter & Brumfield Power PCB Relay RT1

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Relays & Contactors > Relays > Power Relays

Power Relay Type: **Standard**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating DC: **400 mW**

Coil Resistance: **200 Ω**

Coil Special Features: **UL Coil Insulation Class F**

Features

Product Type Features

Power Relay Type	Standard
Relay Connection Type	PCB Solder Pins

Electrical Characteristics

Insulation Initial Dielectric Between Coil & Contact Class	4000 V
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 Creepage Class	8 mm
Coil Power Rating Class	300 – 400 mW
Insulation Initial Dielectric Between Contacts & Coil	5000 Vrms
Insulation Creepage Between Contact & Coil	10 mm[.394 in]
Contact Limiting Breaking Current	16 A
Coil Magnetic System	Monostable, DC

Coil Power Rating DC	400 mW
Coil Resistance	200 Ω
Coil Special Features	UL Coil Insulation Class F
Coil Voltage Rating	9 VDC
Contact Switching Voltage (Max)	400 VAC
Contact Voltage Rating	250 VAC

Body Features

Insulation Special Features	Tracking Index of Relay Base PTI250
Product Weight	14 g[.494 oz]

Contact Features

Contact Arrangement	1 Form C (CO)
Contact Current Class	16 A
Contact Current Rating (Max)	16 A
Contact Material	AgNi90/10
Contact Number of Poles	1

Mechanical Attachment

Product Mount Type	Printed Circuit Board

Dimensions

Length Class (Mechanical)	25 – 30 mm
Insulation Clearance Class	8 mm
Height Class (Mechanical)	15 – 16 mm
Insulation Clearance Between Contact & Coil	10 mm[.394 in]
Width Class (Mechanical)	12 – 16 mm
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 Class	70 – 85 °C
Environmental Ambient Temperature (Max)	85 °C[185 °F]

Packaging Features

Packaging Method	Carton, Tube

Other

Solder Process	Wave Solder

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: 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 260°C

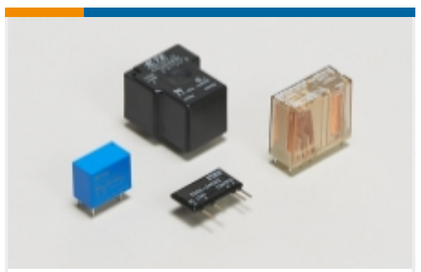
Product Compliance Disclaimer

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 # 2-1419108-9
RTD14012F

Also in the Series | Potter & Brumfield Power PCB Relay RT1



Power Relays(26)

Customers Also Bought

TE Part #1623730-9
BCHE 4 W 220R 5%

TE Part #6-1419111-6
PT370524

TE Part #4-2176330-6
CRGP 2010 56K 1%

TE Part #2-2329360-2
PB ON/OFF RC RED M1 TERM IP69

TE Part #6-2176414-0
7W STD M/OX 5% 5K6

TE Part #9-1393230-5
RP411024

Documents

CAD Files

Customer View Model
ENG_CVM_CVM_1-1393242-0_F.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_1-1393242-0_F.3d_stp.zip

English

Customer View Model
ENG_CVM_CVM_1-1393242-0_F.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 Potter & Brumfield

English

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

VDE Certificate

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Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

TE Connectivity:

1-1393242-0