RTD14012F ✔ ACTIVE

Potter & Brumfield | Potter & Brumfield Power PCB Relay RT1

TE Internal #: 2-1419108-9

General Purpose Power Relay, DC, Monostable, 1 Form C SPDT-CO, 16 A Contact Rating, 12 VDC Coil Voltage, Potter & Brumfield Power PCB Relay RT1

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Relays & Contactors > Electromechanical Relays



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

Coil Magnetic System: **Monostable**

Contact Arrangement: **1 Form C SPDT-CO**

Current Type: **DC**

Contact Current Rating: **16 A**

Features

Product Type Features

Relay & Contactor Type	General Purpose Power Relay

Configuration Features

Contact Number of Poles	1
Coil Special Features	UL Coil Insulation Class F
Contact Arrangement	1 Form C SPDT-CO

Electrical Characteristics

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	360 Ω
Contact Current Rating	16 A
Coil Voltage Rating	12 VDC
Contact Voltage Rating	250 VAC
Coil Power Rating DC	.4 W
Insulation Initial Dielectric Between Contacts & Coil	5000 Vrms

Body Features

Product Weight	14 g[.494 oz]
Enclosure Type	Flux Resistant Automatic Solder Capable & Washable

Contact Features

Contact Material	AgNi90/10

Termination Features

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

Mechanical Attachment

Product Mount Type	Board Mount

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[1.141 in]
Product Height	15.7 mm[.618 in]

Usage Conditions

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
Environmental Category of Protection	RTIII
Environmental Ambient Temperature (Max)	85 °C[185 °F]

Operation/Application

Solder Process	Wave Solder Capable
Coil Magnetic System	Monostable
Current Type	DC

Packaging Features

Packaging Method	Carton, Tube

Other

Coil Power Rating Class	>.3 – ≤.6 W
Contact Current Class	>10 – ≤16 A
Height Class (Mechanical)	>14 – ≤16 mm[>.551 – ≤.63 in]
Length Class (Mechanical)	>22 – ≤33 mm[>.866 – ≤1.299 in]
Width Class (Mechanical)	>11 – ≤14 mm[>.433 – ≤.551 in]

Product Compliance

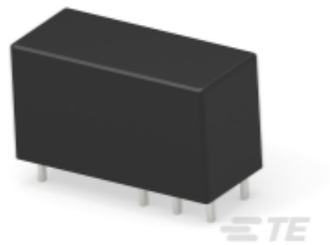
For compliance documentation, visit the product page on TE.com>

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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

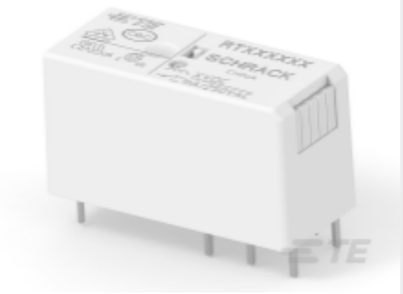
Product Compliance Disclaimer

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

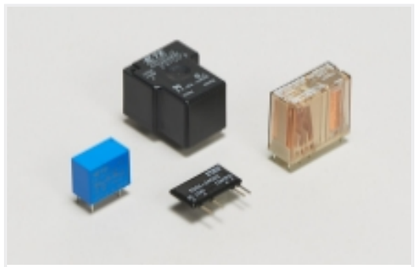


TE Part # 1-1393242-0
RTD14009F

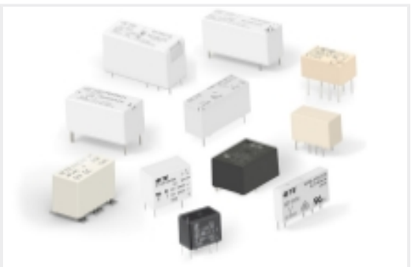


TE Part # 1649328-4
RTD14012

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

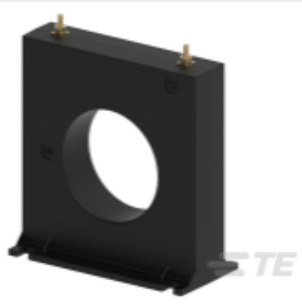


General Purpose Power Relays(26)

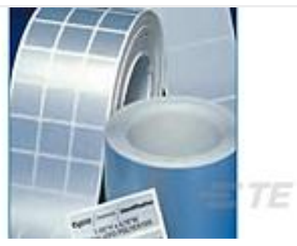


PCB Relays(26)

Customers Also Bought



TE Part #CG3866-000
CI-7SFT251



TE Part #F48442-000
WP-040040-25-9



TE Part #1-641966-1
03P UMNL PIN HDR ASSY BLK



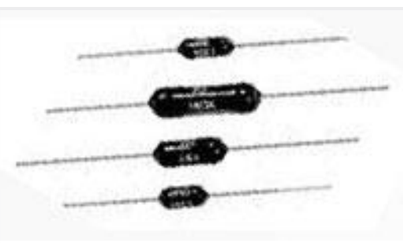
TE Part #3-794619-2
02P MICRO MNL ASSY,R/A,HDR LF



TE Part #1734290-2
IEEE 1394, RCPT, 6P, V/T, DIP, H 3.18



TE Part #4-1879071-3
THS50 220R 5%



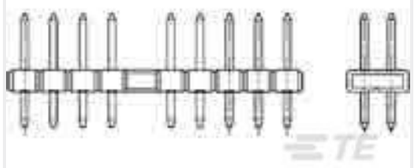
TE Part #1-1879642-5
H8 100R 0.1% 10PPM



TE Part #2106003-2
Connector, SMT-IDC, 2 position, 18AWG



TE Part #2331369-1
DET SW4.7X3.8X2.3 GW VERT. NO AG RL



TE Part #3-5176264-4
40 AMPMODU 2MM DR VERT MNT LF

Documents

CAD Files

Customer View Model
ENG_CVM_CVM_2-1419108-9_G.3d_igs.zip
English

Customer View Model
ENG_CVM_CVM_2-1419108-9_G.3d_stp.zip
English

Customer View Model
ENG_CVM_CVM_2-1419108-9_G.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

English