# 5-1415543-1 ACTIVE

## SCHRACK | SCHRACK Power PCB Relay RT1

TE Internal #: 5-1415543-1

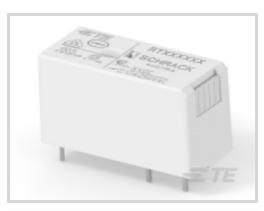
General Purpose Power Relay, DC, Monostable, 1 Form C SPDT-CO, 12 A Contact Rating, 12 VDC Coil Voltage, SCHRACK Power

PCB Relay RT1

View on TE.com >

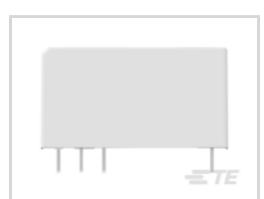


Relays & Contactors > Electromechanical Relays











Relay & Contactor Type: General Purpose Power Relay

Coil Magnetic System: Monostable

Contact Arrangement: 1 Form C SPDT-CO

Current Type: DC

Contact Current Rating: 12 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 Short-Time Current	12 A
Contact Limiting Making Current	25 A
Contact Limiting Continuous Current	12 A
Contact Limiting Breaking Current	12 A
Insulation Initial Dielectric Between Open Contacts	1000 Vrms
Contact Switching Voltage (Max)	400 VAC
Coil Resistance	360 Ω
Contact Current Rating	12 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
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	16.2 mm[.637 in]
Usage Conditions	
Operating Temperature Range	-40 - 85 °C[-40 - 185 °F]
Environmental Category of Protection	RTII
Environmental Ambient Temperature (Max)	85 °C[185 °F]
Operation/Application	
Solder Process	Reflow 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)	>16 - ≤22 mm[>.63 - ≤.866 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: JAN 2025 (247) Candidate List Declared Against: JUNE 2024 (241) 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**





# Also in the Series | SCHRACK Power PCB Relay RT1







# Customers Also Bought



















## **Documents**

**CAD Files** 

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_5-1415543-1\_A.2d\_dxf.zip

English

**Customer View Model** 



ENG\_CVM\_CVM\_5-1415543-1\_A.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_5-1415543-1\_A.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

Datasheets & Catalog Pages

Power PCB Relay RT1

English

**Product Specifications** 

**Definitions General Purpose Relays** 

English

**Agency Approvals** 

**VDE** Certificate

English