

# RTE44012F ✓ ACTIVE

SCHRACK | SCHRACK Power PCB Relay RT2

TE Internal #: 4-1419108-2

General Purpose Power Relay, DC, Monostable, 2 Form A DPST-NO, 8 A Contact Rating, 12 VDC Coil Voltage, SCHRACK Power PCB Relay RT2

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Relays & Contactors > Electromechanical Relays



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

Coil Magnetic System: **Monostable**

Contact Arrangement: **2 Form A DPST-NO**

Current Type: **DC**

Contact Current Rating: **8 A**

## Features

### Product Type Features

Relay & Contactor Type	General Purpose Power Relay
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### Configuration Features

Contact Number of Poles	2
Coil Special Features	UL Coil Insulation Class F
Contact Arrangement	2 Form A DPST-NO

### Electrical Characteristics

Contact Limiting Making Current	15 A
Contact Limiting Continuous Current	8 A
Contact Limiting Breaking Current	8 A
Insulation Initial Dielectric Between Open Contacts	1000 Vrms
Insulation Initial Dielectric Between Adjacent Contacts	2500 Vrms
Contact Switching Voltage (Max)	400 VAC
Coil Resistance	360 $\Omega$
Contact Current Rating	8 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	13 g[.459 oz]
Enclosure Type	Flux Resistant Automatic Solder Capable & Washable

### Contact Features

Contact Material	AgNi90/10
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### Termination Features

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

### Mechanical Attachment

Product Mount Type	Board Mount
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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[1.141 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
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### Other

Coil Power Rating Class	>.3 – ≤.6 W
Contact Current Class	>5 – ≤10 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]
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### 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	有害物质含量符合标准要求 No Restricted Substance(s) 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



Also in the Series | [SCHRACK Power PCB Relay RT2](#)



AC Relays(17)



DC Relays(89)



Electromechanical Relays(106)

## Customers Also Bought

TE Part #53894-3  
HSG ASSY,PWR LK,SRS1,1 POS,GRNTE Part #350433-1  
12P UMNL PIN HDR ASSY NATLTE Part #4-520448-2  
ULTRAFast 250 ASSY REC 12-10  
TPBR LPTE Part #1423091-6  
T9AV5L12-12TE Part #1658622-5  
24 NOVO MIL/CTR 30DP,LEAD FREETE Part #1-1734775-1  
Std USB Type A, Flag, T/H, 1.8ATE Part #1879498-8  
CRGH1206 5% 27K 0.5WTE Part #3-2176399-2  
3502 100K 5%TE Part #2226742-2  
KIT,SOCKET, SNAP-LUG, 2/0-1/0,  
BLUETE Part #2-1437142-8  
FSN-22A-10=NOMEX FS STD

## Documents

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_4-1419108-2\\_E.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_4-1419108-2\\_E.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_4-1419108-2\\_E.2d\\_dxf.zip](#)



English

[3D PDF](#)

[3D](#)

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

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### Datasheets & Catalog Pages

[Power PCB Relay RT1 Potter & Brumfield](#)

English

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### Product Specifications

[Definitions General Purpose Relays](#)

English

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### Agency Approvals

[VDE Certificate](#)

English