

## SCHRACK | SCHRACK Power PCB Relay RT1

TE Internal #: 3-1393239-6

General Purpose Power Relay, DC, Monostable, 1 Form C SPDT-CO, 10 A Contact Rating, 5 VDC Coil Voltage, SCHRACK Power

PCB Relay RT1

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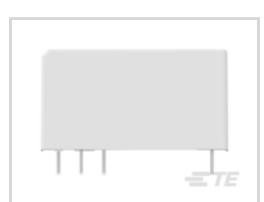


Relays & Contactors > Electromechanical Relays











Relay & Contactor Type: General Purpose Power Relay

Current Type: DC

Coil Magnetic System: Monostable

Contact Arrangement: 1 Form C SPDT-CO

Contact Current Rating: 10 A

## **Features**

## **Product Type Features**

Relay & Contactor Type	General Purpose Power Relay
Configuration Features	
Contact Number of Poles	1
Coil Special Features	Sensitive Version, UL Coil Insulation Class F
Contact Arrangement	1 Form C SPDT-CO
Electrical Characteristics	
Contact Limiting Making Current	15 A
Contact Limiting Continuous Current	10 A
Contact Limiting Breaking Current	10 A
Insulation Initial Dielectric Between Open Contacts	1000 Vrms
Contact Switching Voltage (Max)	400 VAC
Coil Resistance	100 Ω
Contact Current Rating	10 A
Coil Voltage Rating	5 VDC



Product Weight 14 g[494 oz]  Enclosure Type Flux Resistant Automatic Solder Capable  Cortact Features  Contact Material AgNi90/10  Termination & Connection Type Solder Pins  Main 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[,1:14 in] Product Length 15,7 mm[,618 in]  Usage Conditions  Operating Temperature Range 40 – 85 °C[-40 – 185 °T]  Environmental Category of Protection RTII  Environmental Ambient Temperature (Max) 85 °C[185 °T]  Operation/Application  Solder Process Wave Solder Capable  Current Type DC  Coil Magnetic System Monostable  Packaging Features  Packaging Method Carton, Tube	Contact Voltage Rating	250 VAC
Body Features Product Weight 14 gl/94 exi 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 [1.14 in] Product Length 29 mm [1.14 in] Product Height 15.7 mm [.618 in]  Usage Conditions  Operating Temperature Range 40 – 85 °C[40 – 185 °F]  Operating Apolication Solder Process Wave Solder Capable Current Type DC Coil Magnetic System Monostable Packaging Features Packaging Features Packaging Method Carton, Tube Other	Coil Power Rating DC	.25 W
Product Weight 14 gl/94 oz   Endosure Type Elux 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 Retween Contact & Coil 10 mm(394 in) 1 mm(394	Insulation Initial Dielectric Between Contacts & Coil	5000 Vrms
Finclosure Type  Contact Features  Contact Material AgNi90/10  Termination Features  Main 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(1.14 in) Product Height 15,7 mm(.618 in)  Usage Conditions  Operating Temperature Range -40 - 85 °C[-40 - 185 °F] Environmental Ambient Temperature (Max) 85 °C[185 °F]  Operation/Application  Solder Process Wave Solder Capable  Current Type DC  Coil Magnetic System Monostable  Packaging Method Carton, Tube  Other	Body Features	
Contact Material AgN90/10  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 mml,394 in] Insulation Creepage Between Contact & Coil 10 mml,394 in] Product Width 12.7 mml,5 in] Product Length 29 mml,1.14 in] Product Height 15.7 mml,618 in]  Usage Conditions  Operating Temperature Range 40 – 85 °C[-40 – 185 °T] Environmental Category of Protection RTIII Environmental Ambient Temperature (Max) 85 °C[185 °F]  Operation/Application  Solder Process Wave Solder Capable Current Type DC  Coil Magnetic System Monostable  Packaging Features  Packaging Method Carton, Tube  Other	Product Weight	14 g[.494 oz]
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[1.14 in] Product Height 15.7 mm[.618 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 Wave Solder Capable Current Type DC  Coil Magnetic System Monostable  Packaging Features  Packaging Method Carton, Tube  Other	Enclosure Type	Flux Resistant Automatic Solder Capable
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 Insulation Creepage Between Contact & Coil Insulation	Contact Features	
Main Termination & Connection Type  Coil Termination & Connection Type  Mechanical Attachment  Product Mount Type  Board Mount  Dimensions  Insulation Clearance Between Contact & Coil  Insulation Creepage Between Contact & Coil  Insulation Creepage Between Contact & Coil  Product Width  12.7 mm[.5 in]  Product Length  Product Height  15.7 mm[.618 in]  Usage Conditions  Operating Temperature Range  A0 - 85 °C[-40 - 185 °F]  Environmental Category of Protection  RTII  Environmental Ambient Temperature (Max)  Solder Process  Wave Solder Capable  Current Type  DC  Coil Magnetic System  Monostable  Packaging Features  Packaging Method  Carton, Tube  Other	Contact Material	AgNi90/10
Coil Termination & Connection Type  Solder Pins  Mechanical Attachment  Product Mount Type  Board Mount  Dimensions  Insulation Clearance Between Contact & Coil  Insulation Creepage Between Contact & Coil  Product Width  12.7 mm[.5 in]  Product Length  Product Height  15.7 mm[.618 in]  Usage Conditions  Operating Temperature Range  Au - 85 °C[-40 - 185 °F]  Environmental Category of Protection  Environmental Ambient Temperature (Max)  Solder Process  Wave Solder Capable  Current Type  DC  Coil Magnetic System  Monostable  Packaging Features  Packaging Method  Carton, Tube  Other	Termination Features	
Mechanical Attachment Product Mount Type Board Mount  Dimensions Insulation Clearance Between Contact & Coil Insulation Creepage Between Contact & Coil Insulation Creepage Between Contact & Coil Product Width 12.7 mm[.5 in] Product Length 29 mm[1.14 in] Product Lleight Insulation Creepage Between Contact & Coil Insulation Creepage Insulation Insulation Insulation Insulation Creepage Insulation Insulation Cre	Main Termination & Connection Type	Solder Pins
Product Mount Type  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]  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 Wave Solder Capable Current Type DC  Coil Magnetic System Monostable  Packaging Features  Packaging Method Carton, Tube  Other	Coil Termination & Connection Type	Solder Pins
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Product Length 29 mm[1.14 in]  Product Height 15.7 mm[.618 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 Wave Solder Capable  Current Type DC  Coil Magnetic System Monostable  Packaging Features  Packaging Method Carton, Tube  Other	Insulation Creepage Between Contact & Coil	10 mm[.394 in]
Product Height 15.7 mm[.618 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 Wave Solder Capable  Current Type DC  Coil Magnetic System Monostable  Packaging Features  Packaging Method Carton, Tube  Other	Product Width	12.7 mm[.5 in]
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Operation/Application  Solder Process Wave Solder Capable  Current Type DC  Coil Magnetic System Monostable  Packaging Features  Packaging Method Carton, Tube  Other	Environmental Category of Protection	RTII
Solder Process  Current Type  DC  Coil Magnetic System  Monostable  Packaging Features  Packaging Method  Carton, Tube  Other	Environmental Ambient Temperature (Max)	85 °C[185 °F]
Current Type DC  Coil Magnetic System Monostable  Packaging Features  Packaging Method Carton, Tube  Other	Operation/Application	
Coil Magnetic System  Monostable  Packaging Features  Packaging Method  Carton, Tube  Other	Solder Process	Wave Solder Capable
Packaging Features  Packaging Method  Carton, Tube  Other	Current Type	DC
Packaging Method  Carton, Tube  Other	Coil Magnetic System	Monostable
Other Control of the	Packaging Features	
	Packaging Method	Carton, Tube
Coil Power Rating Class .2 – .3 W	Other	
	Coil Power Rating Class	.2 – .3 W



Contact Current Class	5 – 10 A, 10 – 20 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

## **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

Also in the Series | SCHRACK Power PCB Relay RT1



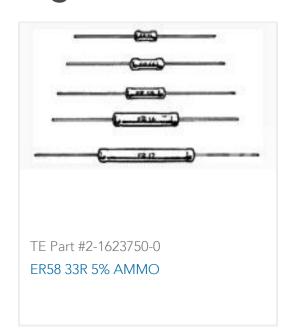






# Customers Also Bought







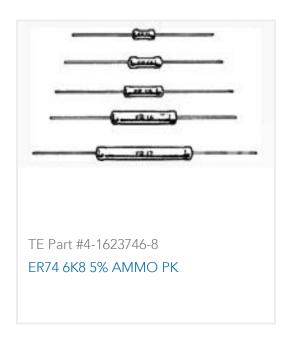














## **Documents**

### **CAD Files**

Customer View Model

ENG\_CVM\_CVM\_3-1393239-6\_D.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_3-1393239-6\_D.3d\_stp.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_3-1393239-6\_D.2d\_dxf.zip

General Purpose Power Relay, DC, Monostable, 1 Form C SPDT-CO, 10 A Contact Rating, 5 VDC Coil Voltage, SCHRACK Power PCB Relay RT1



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 sensitive

English

**Product Specifications** 

**Definitions General Purpose Relays** 

English

Agency Approvals

**VDE Certificate** 

English