### SCHRACK | SCHRACK Miniature Power PCB RYII

TE Internal #: 2-1393224-8

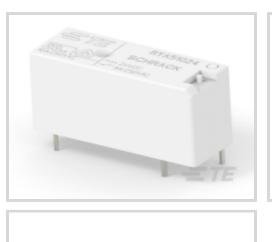
Power Relays, General Purpose Power Relay, Monostable, 245 mW Coil Power Rating DC, 2350  $\Omega$  Coil Resistance, SCHRACK Miniature

Power PCB RYII

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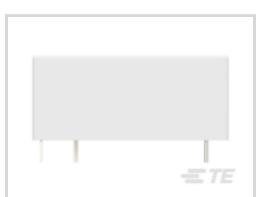


Relays & Contactors > Relays > Power Relays









General Purpose Power Relay



Relay Type: General Purpose Power Relay

Coil Magnetic System: Monostable
Coil Power Rating DC: 245 mW

Coil Resistance:  $2350 \Omega$ 

Coil Special Features: UL Coil Insulation Class F

### **Features**

Relay Type

## **Product Type Features**

Configuration Features	
Coil Special Features	UL Coil Insulation Class F
Contact Arrangement	1 Form B (NC)
Contact Number of Poles	1
Electrical Characteristics	
	400014

Insulation Initial Dielectric Between Open Contacts	1000 Vrms
Contact Limiting Making Current	8 A
Contact Limiting Short-Time Current	8 A
Contact Limiting Continuous Current	8 A
Insulation Initial Dielectric Between Contacts & Coil	5000 Vrms
Contact Limiting Breaking Current	8 A
Coil Power Rating DC	245 mW
Coil Resistance	2350 Ω



Col Voltage Rating         24 VDC           Contact Current Rating         8 A           Contract Switching Load (Min)         10 nA & 12V           Contact Switching Voltage (Max)         400 VAC           Contact Voltage Rating         250 VAC           Body Features         Product Weight         8 g1282 or]           Contact Features         Contact Material         AgN/0.15           Termination Features         PCB Termination           Relay Connection Type         PCB Termination           Terminal Configuration         Solder Pins           Mechanical Attachment         Product Mount Type           Product Mount Type         Printed Circuit Board           Dimensions         8 mm(315 in)           Insulation Clearance Between Contact & Coil         8 mm(315 in)           Insulation Clearance Retween Contact & Coil         8 mm(315 in)           Insulation Clearance Between Contact & Coil         8 mm(315 in)           Product Width         10.1 mm(397 in)           Product Width         10.1 mm(397 in)           Product Height         12.3 mm(484 in)           Usage Conditions         Environmental Category of Protection           Environmental Ambient Temperature (Max)         70 "C(158 *F)           Operation/Application         M		
Contact Switching Load (Min) Contact Switching Voltage (Max) Contact Voltage Rating  Body Features  Product Weight 8 gl 282 ozl  Contact Features  Contact Features  Contact Material AgNI0.15  Termination Features  Relay Connection Type PCB Termination Terminal Configuration Solder Pins  Mechanical Attachment  Product Mount Type Printed Circuit Board  Dimensions  Insulation Clearance Between Contact & Coil 8 mm [315 in] Insulation Creepage Between Contact & Coil 8 mm [315 in] Product Width 10.1 mm [397 in] Product Length 28.5 mm [1.12 in] Product Height 12.3 mm [484 in]  Usage Conditions  Environmental Category of Protection RTIII Provincemental Ambient Temperature (Max) 70 °C(158 °T)  Operation/Application  Actuating System DC Solder Process Wave Solder  Coil Magnetic System Monostable  Packaging Features  Packaging Method Box & Lube, Lube  Other	Coil Voltage Rating	24 VDC
Contact Switching Voltage (Max) Contact Voltage Rating  Body Features  Product Weight  Contact Features  Contact Features  Contact Material  AgNiO.15  Termination Features  Relay Connection Type PCB Termination  Terminal Configuration  Mechanical Attachment  Product Mount Type Printed Circuit Board  Dimensions  Insulation Creepage Between Contact & Ceil Insulation Creepage Between Contact & Ceil Product Width 10.1 mm(.397 in) Product Height 12.3 mm(.484 in)  Usage Conditions  Environmental Category of Protection RTIII  Chivinormental Ambient Temperature (Max)  Operation/Application  Actuating System DC Solder Process Wave Solder Coil Magnetic System Monostable  Packaging Features  Packaging Mathod  Other	Contact Current Rating	8 A
Body Features	Contact Switching Load (Min)	10mA @ 12V
Product Weight 8 gl 282 ozl  Contact Features  Contact Material AgNi0.15  Termination Features  Relay Connection Type PCB Termination Terminal Configuration Solder Pine  Mechanical Attachment  Product Mount Type Printed Circuit Board  Dimensions  Insulation Clearance Between Contact & Coil 8 mm[.315 in] Insulation Creepage Between Contact & Coil 8 mm[.315 in] Product Wridth 10.1 mm[.397 in] Product Length 28.5 mm[1.12 in] Product Length 28.5 mm[1.12 in] Product Height 12.3 mm[.484 in]  Usage Conditions  Environmental Category of Protection RTIII Environmental Ambient Temperature (Max) 70 °C[158 °F]  Operation/Application  Actuating System DC Solder Process Wave Solder Coil Magnetic System Monostable  Packaging Features  Packaging Method Box & Tube, Tube	Contact Switching Voltage (Max)	400 VAC
Product Weight 8 g[282 or]  Contact Features  Contact Material AgNi0.15  Termination Features  Relay Connection Type PCB Termination  Terminal Configuration Solder Pine  Mechanical Attachment  Product Mount Type Printed Circuit Board  Dimensions  Insulation Clearance Between Contact & Coil 8 mm[.315 in]  Insulation Creepage Between Contact & Coil 8 mm[.315 in]  Product Width 10.1 mm[.397 in]  Product Length 28.5 mm[1.12 in]  Product Height 12.3 mm[.484 in]  Usage Conditions  Environmental Category of Protection RTIII  Environmental Ambient Temperature (Max) 70 °C[158 °F]  Operation/Application  Actuating System DC  Solder Process Wave Solder  Cail Magnetic System Monostable  Packaging Features  Packaging Method Box & Tube, Tube  Other	Contact Voltage Rating	250 VAC
Contact Features Contact Material AgNio.15  Termination Features  Relay Connection Type PCB Termination Terminal Configuration Solder Pins  Mechanical Attachment  Product Mount Type Printed Circuit Board  Dimensions  Insulation Clearance Between Contact & Coil 8 mm[.315 in] Insulation Creepage Between Contact & Coil 8 mm[.315 in] Product Width 10.1 mm[.397 in] Product Length 28.5 mm[1.12 in] Product Height 12.3 mm[.484 in]  Usage Conditions  Environmental Category of Protection RTIII Environmental Ambient Temperature (Max) 70 °C(158 °F)  Operation/Application  Actuating System DC Solder Process Wave Solder Coil Magnetic System Monostable  Packaging Features  Packaging Method Box & Tube, Tube  Other	Body Features	
Contact Material AgNio.15  Termination Features  Relay Connection Type PCB Termination  Terminal Configuration Solder Pins  Mechanical Attachment  Product Mount Type Printed Circuit Board  Dimensions  Insulation Clearance Between Contact & Coil 8 mm[.315 in] Insulation Creepage Between Contact & Coil 8 mm[.315 in] Product Width 10.1 mm[.397 in] Product Length 28.5 mm[1.12 in] Product Height 12.3 mm[.484 in]  Usage Conditions  Environmental Category of Protection RTIII Frivinamental Ambient Temperature (Max) 70 °C(158 °F)  Operation/Application  Actuating System DC Solder Process Wave Solder Coil Magnetic System Monostable  Packaging Features  Packaging Method Box & Tube, Tube  Other	Product Weight	8 g[.282 oz]
Termination Features  Relay Connection Type PCB Termination  Terminal Configuration Solder Pins  Mechanical Attachment  Product Mount Type Printed Circuit Board  Dimensions  Insulation Clearance Between Contact & Coil 8 mm[315 in] Insulation Creepage Between Contact & Coil 8 mm[315 in] Product Width 10.1 mm[.397 in] Product Longth 28.5 mm[1.12 in] Product Height 12.3 mm[.484 in]  Usage Conditions  Environmental Category of Protection RTIII  Environmental Ambient Temperature (Max) 70 °C[158 °F]  Operation/Application  Actuating System DC  Solder Process Wave Solder  Coil Magnetic System Monostable  Packaging Features  Packaging Method Box & Tube, Tube  Other	Contact Features	
Relay Connection Type Terminal Configuration Solder Pins  Mechanical Attachment  Product Mount Type Printed Circuit Board  Dimensions  Insulation Clearance Between Contact & Coil 8 mm[.315 in] Insulation Creepage Between Contact & Coil 8 mm[.315 in] Product Width 10.1 mm[.397 in] Product Length 28.5 mm[1.12 in] Product Height 12.3 mm[.484 in]  Usage Conditions  Environmental Category of Protection RTIII Environmental Ambient Temperature (Max) Operation/Application  Actuating System DC Solder Process Wave Solder Coil Magnetic System Monostable  Packaging Features  Packaging Method Box & Tube, Tube Other	Contact Material	AgNi0.15
Terminal Configuration  Mechanical Attachment  Product Mount Type  Printed Circuit Board  Dimensions  Insulation Clearance Between Contact & Coil 8 mm[.315 in]  Insulation Creepage Between Contact & Coil 8 mm[.315 in]  Product Width 10.1 mm[.397 in]  Product Length 28.5 mm[1.12 in]  Product Height 12.3 mm[.484 in]  Usage Conditions  Environmental Category of Protection RTIII  Environmental Ambient Temperature (Max) 70 °C[158 °F]  Operation/Application  Actuating System DC  Solder Process Wave Solder  Coil Magnetic System Monostable  Packaging Features  Packaging Method Box & Tube, Tube  Other	Termination Features	
Mechanical Attachment  Product Mount Type Printed Circuit Board  Dimensions  Insulation Clearance Between Contact & Coil 8 mm[.315 in] Insulation Creepage Between Contact & Coil 8 mm[.315 in]  Product Width 10.1 mm[.397 in]  Product Length 28.5 mm[1.12 in]  Product Height 12.3 mm[.484 in]  Usage Conditions  Environmental Category of Protection RTIII Environmental Ambient Temperature (Max) 70 °C[158 °F]  Operation/Application  Actuating System DC  Solder Process Wave Solder  Coil Magnetic System Monostable  Packaging Features  Packaging Method Box & Tube, Tube  Other	Relay Connection Type	PCB Termination
Dimensions  Insulation Clearance Between Contact & Coil 8 mm[.315 in] Insulation Creepage Between Contact & Coil 8 mm[.315 in] Product Width 10.1 mm[.397 in] Product Length 28.5 mm[1.12 in] Product Height 12.3 mm[.484 in]  Usage Conditions  Environmental Category of Protection RTIII Environmental Ambient Temperature (Max) 70 °C[158 °F]  Operation/Application  Actuating System DC Solder Process Wave Solder  Coil Magnetic System Monostable  Packaging Features  Packaging Method Box & Tube, Tube	Terminal Configuration	Solder Pins
Dimensions  Insulation Clearance Between Contact & Coil 8 mm[.315 in] Insulation Creepage Between Contact & Coil 8 mm[.315 in] Product Width 10.1 mm[.397 in] Product Length 28.5 mm[1.12 in] Product Height 12.3 mm[.484 in]  Usage Conditions  Environmental Category of Protection RTIII Environmental Ambient Temperature (Max) 70 °C[158 °F]  Operation/Application  Actuating System DC Solder Process Wave Solder  Coil Magnetic System Monostable  Packaging Features  Packaging Method Box & Tube, Tube	Mechanical Attachment	
Insulation Clearance Between Contact & Coil 8 mm[.315 in] Insulation Creepage Between Contact & Coil 8 mm[.315 in] Product Width 10.1 mm[.397 in] Product Length 28.5 mm[1.12 in] Product Height 12.3 mm[.484 in]  Usage Conditions  Environmental Category of Protection RTIII Environmental Ambient Temperature (Max) 70 °C[158 °F]  Operation/Application  Actuating System DC  Solder Process Wave Solder  Coil Magnetic System Monostable  Packaging Features  Packaging Method Box & Tube, Tube  Other	Product Mount Type	Printed Circuit Board
Insulation Creepage Between Contact & Coil 8 mm[.315 in]  Product Width 10.1 mm[.397 in]  Product Length 28.5 mm[1.12 in]  Product Height 12.3 mm[.484 in]  Usage Conditions  Environmental Category of Protection RTIII  Environmental Ambient Temperature (Max) 70 °C[158 °F]  Operation/Application  Actuating System DC  Solder Process Wave Solder  Coil Magnetic System Monostable  Packaging Features  Packaging Method Box & Tube, Tube  Other	Dimensions	
Product Width 10.1 mm[.397 in] Product Length 28.5 mm[1.12 in] Product Height 12.3 mm[.484 in]  Usage Conditions  Environmental Category of Protection RTIII Environmental Ambient Temperature (Max) 70 °C[158 °F]  Operation/Application  Actuating System DC Solder Process Wave Solder  Coil Magnetic System Monostable  Packaging Features  Packaging Method Box & Tube, Tube  Other	Insulation Clearance Between Contact & Coil	8 mm[.315 in]
Product Length 28.5 mm[1.12 in]  Product Height 12.3 mm[.484 in]  Usage Conditions  Environmental Category of Protection RTIII  Environmental Ambient Temperature (Max) 70 °C[158 °F]  Operation/Application  Actuating System DC  Solder Process Wave Solder  Coil Magnetic System Monostable  Packaging Features  Packaging Method Box & Tube, Tube  Other	Insulation Creepage Between Contact & Coil	8 mm[.315 in]
Product Height  Usage Conditions  Environmental Category of Protection RTIII  Environmental Ambient Temperature (Max) 70 °C[158 °F]  Operation/Application  Actuating System DC  Solder Process Wave Solder  Coil Magnetic System Monostable  Packaging Features  Packaging Method Box & Tube, Tube  Other	Product Width	10.1 mm[.397 in]
Usage Conditions  Environmental Category of Protection RTIII  Environmental Ambient Temperature (Max) 70 °C[158 °F]  Operation/Application  Actuating System DC  Solder Process Wave Solder  Coil Magnetic System Monostable  Packaging Features  Packaging Method Box & Tube, Tube  Other	Product Length	28.5 mm[1.12 in]
Environmental Category of Protection RTIII  Environmental Ambient Temperature (Max) 70 °C[158 °F]  Operation/Application  Actuating System DC  Solder Process Wave Solder  Coil Magnetic System Monostable  Packaging Features  Packaging Method Box & Tube, Tube  Other	Product Height	12.3 mm[.484 in]
Environmental Ambient Temperature (Max)  Operation/Application  Actuating System  DC  Solder Process  Wave Solder  Coil Magnetic System  Monostable  Packaging Features  Packaging Method  Box & Tube, Tube  Other	Usage Conditions	
Operation/Application  Actuating System DC Solder Process Wave Solder Coil Magnetic System Monostable  Packaging Features Packaging Method Box & Tube, Tube  Other	Environmental Category of Protection	RTIII
Actuating System  Solder Process  Wave Solder  Coil Magnetic System  Monostable  Packaging Features  Packaging Method  Box & Tube, Tube  Other	Environmental Ambient Temperature (Max)	70 °C[158 °F]
Solder Process  Coil Magnetic System  Monostable  Packaging Features  Packaging Method  Box & Tube, Tube  Other	Operation/Application	
Coil Magnetic System  Packaging Features  Packaging Method  Box & Tube, Tube  Other	Actuating System	DC
Packaging Features  Packaging Method  Box & Tube, Tube  Other	Solder Process	Wave Solder
Packaging Method  Box & Tube, Tube  Other	Coil Magnetic System	Monostable
Other	Packaging Features	
	Packaging Method	Box & Tube, Tube
Length Class (Mechanical) 25 – 30 mm	Other	
	Length Class (Mechanical)	25 – 30 mm



Insulation Initial Dielectric Between Coil & Contact Class	4000 V
Environmental Ambient Temperature Class	50 – 70 °C
Height Class (Mechanical)	12 – 13 mm
Coil Power Rating Class	200 – 300 mW
Width Class (Mechanical)	10 – 12 mm
Contact Current Class	16 A

## **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 2024 (241) 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





# Also in the Series | SCHRACK Miniature Power PCB RYII



# Customers Also Bought















TE Part #1462041-8
IMB03CTS=IM RELAY 140mW 5V HDV

### **Documents**

#### **CAD Files**

Customer View Model ENG\_CVM\_CVM\_2-1393224-8\_D.3d\_igs.zip

### English

Customer View Model ENG\_CVM\_CVM\_2-1393224-8\_D.3d\_stp.zip

English



**Customer View Model** 

ENG\_CVM\_CVM\_2-1393224-8\_D.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

Miniature Power PCB Relay RYII

English

**Product Specifications** 

**Definitions General Purpose Relays** 

English

Agency Approvals

**VDE Certificate** 

English