SCHRACK | SCHRACK Miniature Power PCB RYII

TE Internal #: 2-1956170-7

General Purpose Power Relay, Monostable, .245 W Coil, 2350 ohm Coil Resistance, SCHRACK Miniature Power PCB RYII, Power Relays

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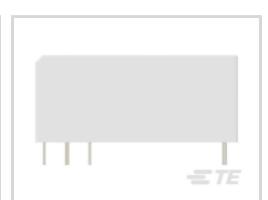


Relays & Contactors > Relays > Power Relays











Relay Type: General Purpose Power Relay

Coil Magnetic System: Monostable
Coil Power Rating DC: .245 W

Coil Resistance: 2350 Ω

Coil Special Features: UL Coil Insulation Class F

Features

Product Type Features

Relay Type	General Purpose Power Relay
Configuration Features	
Coil Special Features	UL Coil Insulation Class F
Contact Arrangement	1 Form C SPDT-CO
Contact Number of Poles	1
Electrical Characteristics	
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 W
Coil Resistance	2350 Ω



Golf Vollege Rating 21 VPC Contact Switching Load (Min) 1mA ® 1V Contact Switching Vollage (Mix) 400 VAC Contact Voltage Rating 250 VAC Body Features Product Weight 8 ggl 282 oz] Contact Flatures Contact Flatures Contact Material Gold Contact Material Gold Contact Material AgN0.15 Termination Features Relay Connection Type PCB Termination Terminat Contiguration Solder Pins Mechanical Attachment Product Mount Type Printed Circuit Board Dimensions Insulation Clearance Between Contact & Coil 8 nmr(.315 in) Insulation Creepage Between Contact & Coil 8 nmr(.315 in) Product Length 28.5 nmr[1.12 in] Product Length 13 nml,511 in) Usage Conditions Environmental Ambient Temperature (Mix) 70 °C(188°F) Operation/Application Current Type DC Solder Process Reliew Solder Packaging Features Packaging Method Reel Other		
Contact Switching Load (Min) Contact Switching Voltage (Max) Contact Voltage Rating Body Faatures Product Weight Contact Plating Material Contact Plating Material Contact Plating Material Contact Material PCB Termination Features Relay Connection Type PCB Termination Frequent Mount Type Printed Circuit Board Dimensions Insulation Clearance Between Contact & Coll B mm(315 in) Insulation Creepage Between Contact & Coll B mm(397 in) Product Width Product Width 10.1 mm(397 in) Product Length 28.5 mm(1.12 in) Product Height Usage Conditions Environmental Category of Protection RTII Environmental Ambient Temperature (Max) Operation/Application Current Type DC Solder Process Reflow Solder Coll Magnetic System Monostable Packaging Method Reel	Coil Voltage Rating	24 VDC
Contact Switching Voltage (Max) Contact Voltage Rating Body Features Product Weight 8 gf.282 oz Contact Plating Material Contact Plating Material Contact Material AgNIO.15 Termination Features Relay Connection Type PCIB Termination Terminal Configuration Solder Pins Mechanical Attachment Product Mount Type Printed Circuit Board Dimensions Insulation Clearance Between Contact & Coil Insulation Creepage Between Contact & Coil Product Width 10.1 mm(.397 in) Product Length Product Height 13 mm(.511 in) Usage Conditions Environmental Category of Protection Environmental Ambient Lemperature (Max) Coperation/Application Current Type DC Solder Process Reflow Solder Coil Magnetic System Monostable Packaging Method Reel	Contact Current Rating	8 A
Body Features Product Weight 8 gJ.282 ozl Contact Features Contact Plating Material Gold 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 Length 28.5 mm [1.12 in] Product Length 70 "C[158 "F] Operation/Application Current Type DC Solder Process Reflow Solder Coil Magnetic System Monostable Packaging Features Packaging Features Packaging Method Reel	Contact Switching Load (Min)	1mA @ 1V
Product Weight 8 gi_282 ozi] Contact Features Contact Plating Material Gold 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 mmi_315 in] Insulation Creepage Between Contact & Coil 8 mmi_315 in] Product Width 10.1 mm[397 in] Product Length 28.5 mmi[1.12 in] Product Height 13 mmi_511 in] Usage Conditions Environmental Category of Protection RTIII Environmental Ambient Temperature (Max) 70 °C[158 °F] Operation/Application Current Type DC Solder Process Reflow Solder Coil Magnetic System Monostable Packaging Features	Contact Switching Voltage (Max)	400 VAC
Product Weight 8 gi.282 oz] Contact Features Contact Plating Material Gold 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 mml, 315 in] Insulation Creepage Between Contact & Coil 8 mml, 315 in] Product Width 10.1 mml, 397 in] Product Length 28.5 mml[1.12 in] Product Height 13 mml, 511 in] Usage Conditions Linvironmental Category of Protection RIII Linvironmental Ambient Lemperature (Max) 70 °C[158 °L] Operation/Application Current Type DC Solder Process Reflow Solder Coil Magnetic System Monostable Packaging Features Packaging Method Recl	Contact Voltage Rating	250 VAC
Contact Plating Material Gold 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 Retween 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 13 mm[.511 in] Usage Conditions Environmental Category of Protection RTII Environmental Arribient Termperature (Max) 70 °C[158 °F] Operation/Application Current Type DC Solder Process Reflow Solder Coil Magnetic System Monostable Packaging Features Packaging Method Reel	Body Features	
Contact Plating Material Gold 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 Retween Contact & Coil 8 mm (.315 in) Product Width 10.1 mm (.397 in) Product Length 28.5 mm (1.12 in) Product Height 13 mm (.511 in) Usage Conditions Environmental Category of Protection RTII Environmental Ambient Temperature (Max) 70 "C(158 "F) Operation/Application Current Type DC Solder Process Reflow Solder Coil Magnetic System Monostable Packaging Features Packaging Method Reel	Product Weight	8 g[.282 oz]
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 13 mm[.511 in] Usage Conditions Environmental Category of Protection RTII Environmental Category of Protection RTII Environmental Ambient Temperature (Max) 70 °C[158 °F] Operation/Application Current Type DC Solder Process Reflow Solder Coil Magnetic System Monostable Packaging Features Packaging Method Reel	Contact Features	
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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 13 mm[.511 in] Usage Conditions Environmental Category of Protection RTII Environmental Ambient Temperature (Max) 70 °C[158 °F] Operation/Application Current Type DC Solder Process Reflow Solder Coil Magnetic System Monostable Packaging Features Packaging Method Reel	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 13 mm[.511 in] Usage Conditions Environmental Category of Protection Environmental Ambient Temperature (Max) Operation/Application Current Type DC Solder Process Reflow Solder Coil Magnetic System Monostable Packaging Features Packaging Method Reel	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 13 mm[.511 in] Usage Conditions Environmental Category of Protection RTII Environmental Ambient Temperature (Max) 70 °C[158 °F] Operation/Application Current Type DC Solder Process Coil Magnetic System Monostable Packaging Features Packaging Method Reel	Relay Connection Type	PCB Termination
Product Mount Type 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 13 mm[.511 in] Usage Conditions Environmental Category of Protection RTII Environmental Ambient Temperature (Max) 70 °C[158 °F] Operation/Application Current Type DC Solder Process Reflow Solder Coil Magnetic System Monostable Packaging Features Packaging Method Reel	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 13 mm[.511 in] Usage Conditions Environmental Category of Protection RTII Environmental Ambient Temperature (Max) 70 °C[158 °F] Operation/Application Current Type DC Solder Process Reflow Solder Coil Magnetic System Monostable Packaging Features Packaging Method Reel	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 13 mm[.511 in] Usage Conditions Environmental Category of Protection RTII Environmental Ambient Temperature (Max) 70 °C[158 °F] Operation/Application Current Type DC Solder Process Reflow Solder Coil Magnetic System Monostable Packaging Features Packaging Method Reel	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 13 mm[.511 in] Usage Conditions Environmental Category of Protection RTII Environmental Ambient Temperature (Max) 70 °C[158 °F] Operation/Application Current Type DC Solder Process Reflow Solder Coil Magnetic System Monostable Packaging Features Packaging Method Reel	Dimensions	
Product Width 10.1 mm[.397 in] Product Length 28.5 mm[1.12 in] Product Height 13 mm[.511 in] Usage Conditions Environmental Category of Protection RTII Environmental Ambient Temperature (Max) 70 °C[158 °F] Operation/Application Current Type DC Solder Process Reflow Solder Coil Magnetic System Monostable Packaging Features Packaging Method Reel	Insulation Clearance Between Contact & Coil	8 mm[.315 in]
Product Length 28.5 mm[1.12 in] Product Height 13 mm[.511 in] Usage Conditions Environmental Category of Protection RTII Environmental Ambient Temperature (Max) 70 °C[158 °F] Operation/Application Current Type DC Solder Process Reflow Solder Coil Magnetic System Monostable Packaging Features Packaging Method Reel	Insulation Creepage Between Contact & Coil	8 mm[.315 in]
Product Height 13 mm[.511 in] Usage Conditions Environmental Category of Protection RTII Environmental Ambient Temperature (Max) 70 °C[158 °F] Operation/Application Current Type DC Solder Process Reflow Solder Coil Magnetic System Monostable Packaging Features Packaging Method Reel	Product Width	10.1 mm[.397 in]
Usage Conditions Environmental Category of Protection RTII Environmental Ambient Temperature (Max) 70 °C[158 °F] Operation/Application Current Type DC Solder Process Reflow Solder Coil Magnetic System Monostable Packaging Features Packaging Method Reel	Product Length	28.5 mm[1.12 in]
Environmental Category of Protection RTII Environmental Ambient Temperature (Max) 70 °C[158 °F] Operation/Application Current Type DC Solder Process Reflow Solder Coil Magnetic System Monostable Packaging Features Packaging Method Reel	Product Height	13 mm[.511 in]
Environmental Ambient Temperature (Max) Operation/Application Current Type DC Solder Process Reflow Solder Coil Magnetic System Monostable Packaging Features Packaging Method Reel	Usage Conditions	
Operation/Application Current Type DC Solder Process Reflow Solder Coil Magnetic System Monostable Packaging Features Reel	Environmental Category of Protection	RTII
Current Type DC Solder Process Reflow Solder Coil Magnetic System Monostable Packaging Features Packaging Method Reel	Environmental Ambient Temperature (Max)	70 °C[158 °F]
Solder Process Reflow Solder Coil Magnetic System Monostable Packaging Features Packaging Method Reel	Operation/Application	
Coil Magnetic System Packaging Features Packaging Method Reel	Current Type	DC
Packaging Features Packaging Method Reel	Solder Process	Reflow Solder
Packaging Method Reel	Coil Magnetic System	Monostable
	Packaging Features	
Other	Packaging Method	Reel
	Other	



Length Class (Mechanical)	25 – 30 mm
Environmental Ambient Temperature Class	50 – 70 °C
Height Class (Mechanical)	12 – 13 mm
Coil Power Rating Class	.2 – .3 W
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: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Pin-in-Paste 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













Documents

CAD Files

Customer View Model ENG_CVM_CVM_2-1956170-7_B.3d_igs.zip

English

Customer View Model ENG_CVM_CVM_2-1956170-7_B.3d_stp.zip

English



Customer View Model

ENG_CVM_CVM_2-1956170-7_B.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

Industrial Relays Quick Reference Guide

Japanese

Industrial Relays Quick Reference Guide

English

Miniature Power PCB Relay RYII

English

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

VDE Certificate

English