1-1956171-4 ✔ ACTIVE

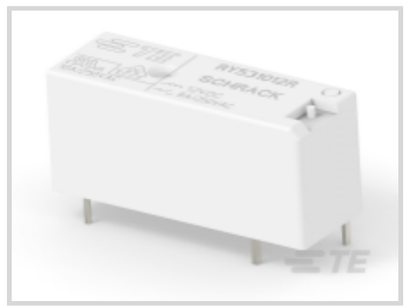
SCHRACK | SCHRACK Miniature Power PCB RYII

TE Internal #: 1-1956171-4

Power Relays, General Purpose Power Relay, Monostable, 230 mW Coil Power Rating DC, 627 Ω Coil Resistance, SCHRACK Miniature Power PCB RYII

View on TE.com >

Relays & Contactors > Relays > Power Relays







Relay Type: **General Purpose Power Relay**

Coil Magnetic System: **Monostable**

Coil Power Rating DC: **230 mW**

Coil Resistance: **627 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 A (NO)
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	230 mW
Coil Resistance	627 Ω

Coil Voltage Rating	12 VDC
Contact Current Rating	8 A
Contact Switching Load (Min)	10mA @ 12V
Contact Switching Voltage (Max)	400 VAC
Contact Voltage Rating	250 VAC

Body Features

Product Weight	8 g[.282 oz]

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	13 mm[.511 in]

Usage Conditions

Environmental Category of Protection	RTII
Environmental Ambient Temperature (Max)	70 °C[158 °F]

Operation/Application

Actuating System	DC
Solder Process	Reflow Solder
Coil Magnetic System	Monostable

Packaging Features

Packaging Method	Reel

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

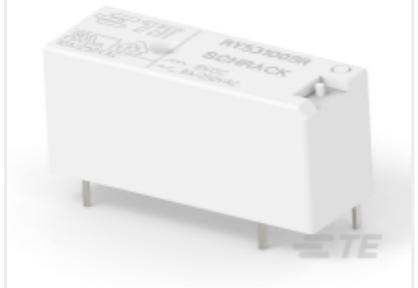
For compliance documentation, visit the product page on TE.com>

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	Pin-in-Paste capable to 260°C

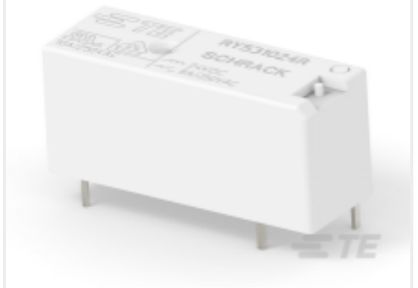
Product Compliance Disclaimer

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

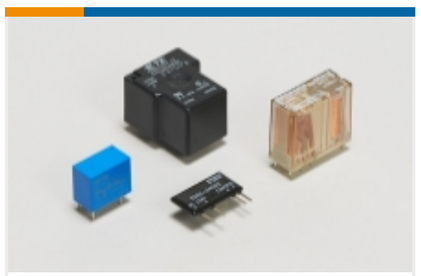


TE Part # 1-1956171-3
RY531009R



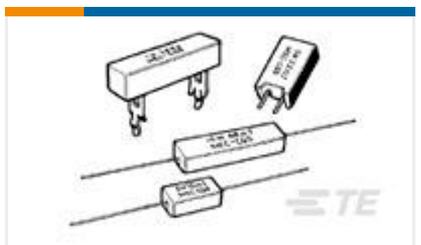
TE Part # 1-1956171-7
RY531024R

Also in the Series | SCHRACK Miniature Power PCB RYII

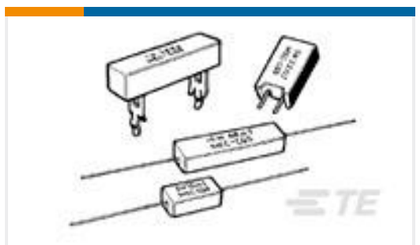


Power Relays(101)

Customers Also Bought



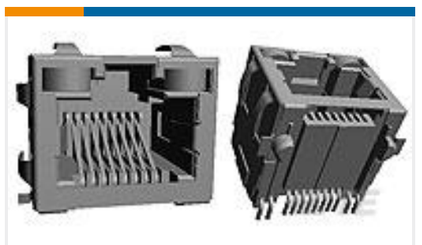
TE Part #1623778-5
SPS7 R68 5%



TE Part #1623795-2
SQP10 10R 5% WIRE



TE Part #5569380-1
STK MJ,8POS,2X1,SHLD,CAT5



TE Part #6339160-1
MJ,RJ45,SMT,SHLD,PANEL GRD



TE Part #5569284-1
MJ,TE,8P



TE Part #3-1879216-4
CPF0402 180K 0.1% 25PPM 1K RL



TE Part #8-1879026-9
YR1 0.1% 499K



TE Part #1623104-1
CRG0805 1% 11K



TE Part #2351445-4
UMINSA SW HLV0.88N 3A/1.5A AC SC PCB

Documents

CAD Files

Customer View Model

ENG_CVM_CVM_1-1956171-4_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1-1956171-4_B.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_1-1956171-4_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