1937650-8 ! PENDING OBSOLESCENCE

SCHRACK | SCHRACK Power PCB Relay RTX

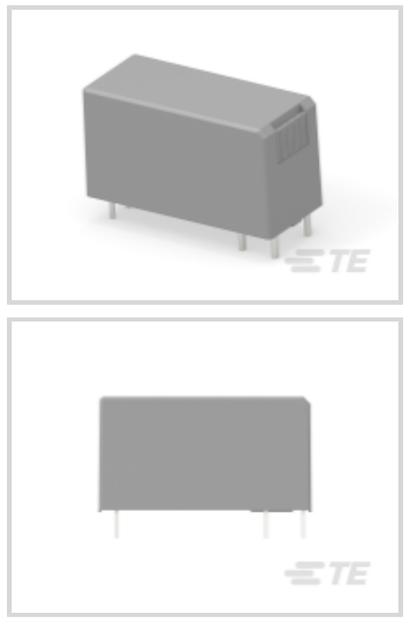
TE Internal #: 1937650-8

TE Internal Description: RTX3-1AT-C012

PCB Power Relay: Bystable, Polarized

View on TE.com >

Relays & Contactors > Relays > Power Relays > PCB Power Relay: Bystable, Polarized



Relay Type: **Standard**

Coil Magnetic System: **Bistable, 2 Coils, Polarized**

Coil Power Rating DC: **950 mW**

Coil Resistance: **150 Ω**

Coil Special Features: **UL Coil Insulation Class F**

All PCB Power Relay: Bystable, Polarized (0)

Features

Product Type Features

Relay Type	Standard

Configuration Features

Insulation Special Features	Tracking Index of Relay Base PTI250
Contact Special Features	Flip-Flop Contacts
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	1250 Vrms
Contact Limiting Making Current	16 A
Contact Limiting Short-Time Current	16 A
Contact Limiting Continuous Current	16 A
Insulation Initial Dielectric Between Contacts & Coil	5000 Vrms

Contact Limiting Breaking Current	16 A
Coil Power Rating DC	950 mW
Coil Resistance	150 Ω
Coil Voltage Rating	12 VDC
Contact Current Rating	16 A
Contact Voltage Rating	250 VAC

Body Features

Product Weight	11 g[.388 oz]

Contact Features

Contact Material	W + AgSnO

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	6 mm[.236 in]
Insulation Creepage Between Contact & Coil	6 mm[.236 in]
Product Width	12.7 mm[.5 in]
Product Length	29 mm[1.14 in]
Product Height	16 mm[.629 in]

Usage Conditions

Environmental Ambient Temperature (Max)	70 °C[158 °F]

Operation/Application

Solder Process	Wave Solder
Coil Magnetic System	Bistable, 2 Coils, Polarized

Packaging Features

Packaging Method	Box & Tube, Carton

Other

Length Class (Mechanical)	25 - 30 mm
Insulation Initial Dielectric Between Coil & Contact Class	4000 V

Environmental Ambient Temperature Class	50 - 70 °C
Insulation Creepage Class	5.5 - 8 mm
Insulation Clearance Class	5 - 8 mm
Height Class (Mechanical)	15 - 16 mm
Coil Power Rating Class	800 - 1000 mW
Width Class (Mechanical)	12 - 16 mm
Contact Current Class	16 A

Product Compliance

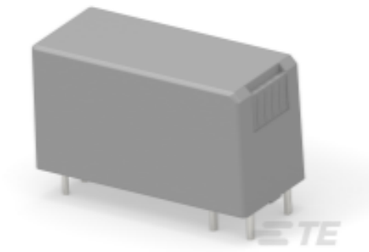
For compliance documentation, visit the product page on TE.com>

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: JAN 2024 (240) 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 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

Compatible Parts



TE Part # 1937650-9
RTX3-1AT-C024

Also in the Series

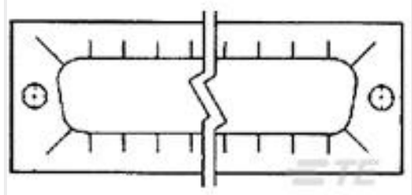
Customers Also Bought



TE Part # 5177986-2
0.8FH,P05H.5,060,08/Sn,TR,SC



TE Part # 1415898-2
PCB Power Relay: 16 Amp, Inrush



TE Part # 5747024-3
RFI GASKET, SIZE 1, PLATED



TE Part # 84953-5
1MM FPC HORZ.TOP CONT.ASSY 5P



TE Part # 5520251-4
MJ,R/A,8P,PNL STOPS



TE Part # 1-2363638-5
Recept, LUMAWISE Endurance S2, Zhaga,Dots



TE Part # 4-2158000-2
RZ03-1A3-D012-R



TE Part # CSS-SGAF-050-STTN
Cable SMA Jack Semi-Rigid 0.047" 50 Cut

TE Part # 1-1937650-1
RTX3-1AT-C018

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1937650-8_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1937650-8_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1937650-8_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditionsof use.

Datasheets & Catalog Pages

Power PCB Relay RTX

English

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

VDE Certificate

English