



SCHRACK | SCHRACK Power PCB Relay RTX

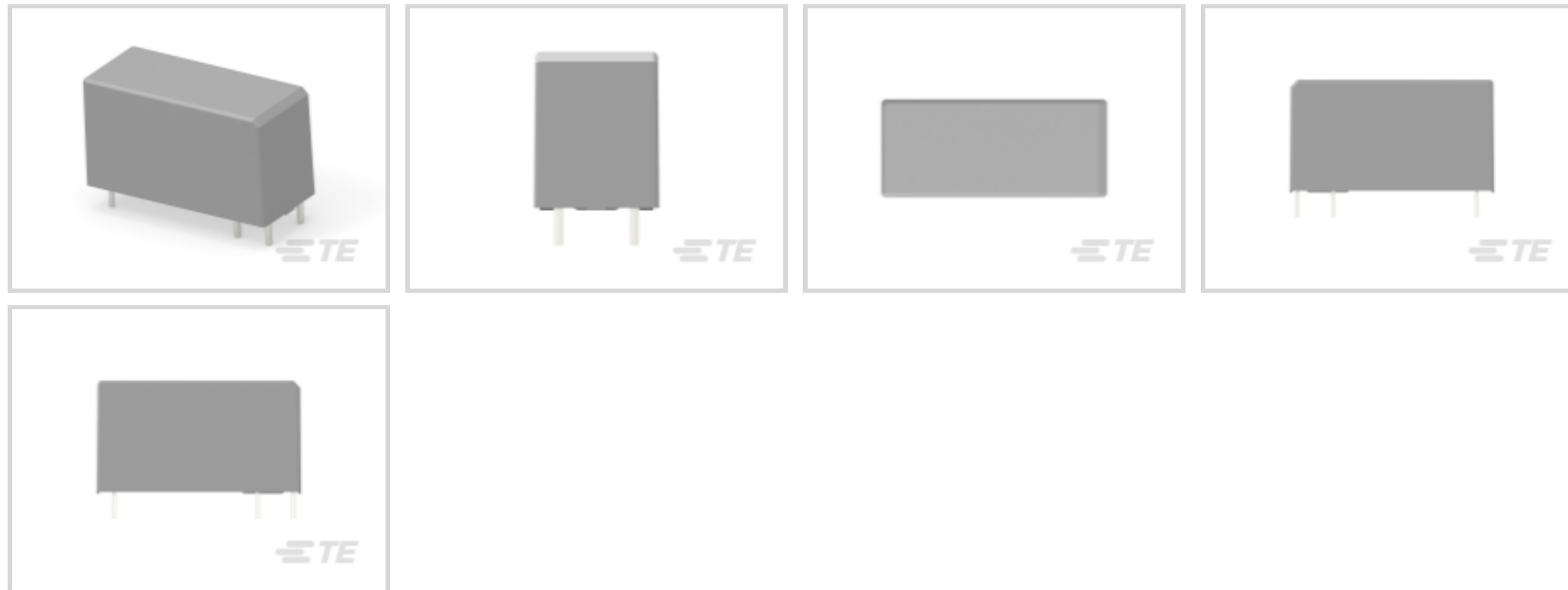
TE Internal #: 1937650-1

TE Internal Description: RTX3-1AT-B003

PCB Power Relay: Bystable, Polarized

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



Relay Type: **Standard**

Coil Magnetic System: **Bistable, 1 Coil, Polarized**

Coil Power Rating DC: **650 mW**

Coil Resistance: **14 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 | 650 mW |
| Coil Resistance | 14 Ω |
| Coil Voltage Rating | 3 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, 1 Coil, 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 | 600 - 800 mW |
| Width Class (Mechanical) | 12 - 16 mm |
| Contact Current Class | 16 A |

Product Compliance

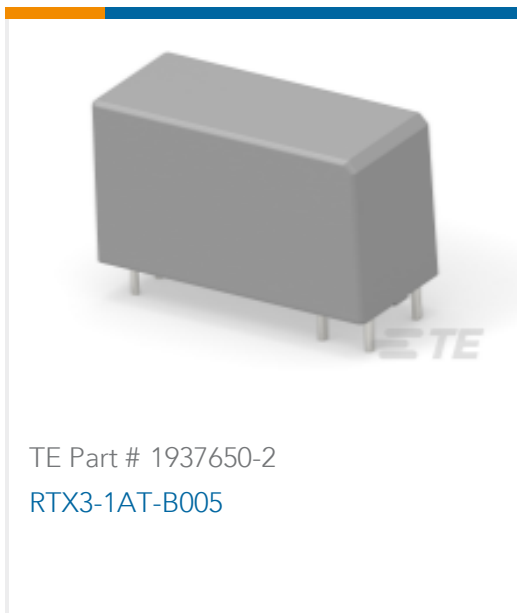
[For compliance documentation, visit the product page on TE.com>](#)

| | |
|---|---|
| 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



Also in the Series

Customers Also Bought



Documents

CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG_CVM_CVM_1937650-1_A.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1937650-1_A.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1937650-1_A.3d_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[Power PCB Relay RTX](#)

English

Product Specifications

[Definitions General Purpose Relays](#)

English

Agency Approvals

[VDE Certificate](#)



English