



Relays & Contactors > Relays > Power Relays



Power Relay Type: **Standard**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating DC: **530 mW**

Coil Resistance: **271.7  $\Omega$**

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

Features

Product Type Features

|                  |          |
|------------------|----------|
| Power Relay Type | Standard |
|------------------|----------|

Electrical Characteristics

|                                                            |                                      |
|------------------------------------------------------------|--------------------------------------|
| Insulation Initial Dielectric Between Coil & Contact Class | 2500 – 5000 V, 4000 – 5000 V, 5000 V |
| Insulation Initial Dielectric Between Open Contacts        | 1000 Vrms                            |
| Contact Limiting Making Current                            | 16 A                                 |
| Contact Limiting Continuous Current                        | 16 A                                 |
| Insulation Creepage Class                                  | 8 mm                                 |
| Coil Power Rating Class                                    | 500 – 600 mW                         |
| Shock Resistance                                           | 100G's, 6ms                          |
| Insulation Initial Dielectric Between Contacts & Coil      | 5000 Vrms                            |
| Insulation Creepage Between Contact & Coil                 | 8 mm[.315 in]                        |
| Coil Magnetic System                                       | Monostable, DC                       |
| Coil Power Rating DC                                       | 530 mW                               |
| Coil Resistance                                            | 271.7 $\Omega$                       |
| Coil Special Features                                      | UL Coil Insulation Class F           |
| Coil Voltage Rating                                        | 12 VDC                               |
| Contact Switching Load (Min)                               | 100mA @ 5V                           |
| Contact Switching Voltage (Max)                            | 400 VAC                              |
| Contact Voltage Rating                                     | 250 VAC                              |



Body Features

|                       |               |
|-----------------------|---------------|
| Product Weight        | 11 g[.388 oz] |
| Primary Product Color | Natural       |

Contact Features

|                              |                    |
|------------------------------|--------------------|
| Contact Plating Material     | Silver Nickel      |
| Switch Arrangement           | 1 Form A (SPST-NO) |
| Contact Arrangement          | 1 Form A (NO)      |
| Contact Current Class        | 16 A               |
| Contact Current Rating (Max) | 16 A               |
| Contact Material             | AgNi90/10          |
| Contact Number of Poles      | 1                  |
| Relay Terminal Type          | PCB-THT            |

Mechanical Attachment

|                     |                       |
|---------------------|-----------------------|
| Relay Mounting Type | Printed Circuit Board |
|---------------------|-----------------------|

Dimensions

|                            |                  |
|----------------------------|------------------|
| Length Class (Mechanical)  | 25 – 30 mm       |
| Insulation Clearance Class | 5 – 8 mm         |
| Height Class (Mechanical)  | 16 – 20 mm       |
| Width Class (Mechanical)   | 12 – 16 mm       |
| Product Width              | 12.8 mm[.504 in] |
| Product Length             | 29 mm[1.142 in]  |
| Product Height             | 17.9 mm[.705 in] |

Usage Conditions

|                                         |                           |
|-----------------------------------------|---------------------------|
| Environmental Ambient Temperature (Max) | 85 °C[185 °F]             |
| Operating Temperature Range             | -40 – 85 °C[-40 – 185 °F] |

Packaging Features

|                  |               |
|------------------|---------------|
| Packaging Method | Carton & Tube |
|------------------|---------------|

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 2023 (235)<br>Candidate List Declared Against: JUL 2021 (219)<br>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>

Customers Also Bought

TE Part #NB-PTCO-058  
Pt100, 2.0x2.3, Class T, PTFC101T1G0

TE Part #6609066-4  
20AYO1=F7694 S0

TE Part #1461014-2  
OJ-SS-124LMHF,000

TE Part #2-1415073-1  
RT4S4R24

TE Part #180464-2  
250 FASTON,FLAG,REC.,14-17AWG, LATON

TE Part #62336-1  
110 FASTON FLAG REC 22-18 AWG TPBR

TE Part #11026911-00  
LDTM-028K

TE Part #NB-PTCO-164  
Pt1000, 2.0x2.3, Class A, PTFC102A1A0



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1833011-4\_B.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1833011-4\_B.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1833011-4\_B.3d\_stp.zip

English

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

Datasheets & Catalog Pages

RZF Relay Product Flyer

English

RZF Relay Datasheet

English

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

RZF\_CQC\_S\_C1

English

RZF\_CQC\_SZ\_C1

English