



Relays, Contactors & Switches > 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
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### Electrical Characteristics

Insulation Initial Dielectric Between Coil & Contact Class	2500 – 5000 V, 4000 – 5000 V, 5000 V
Vibration	5G's, 0 - 500Hz
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	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
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### Body Features

Product Weight	11 g[.388 oz]
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Case Color	Natural
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### Contact Features

Contact Plating Material	Silver Nickel
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Switch Arrangement	1 Form A (SPST-NO)
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Contact Arrangement	1 Form A (NO)
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Contact Current Class	10 – 20 A, 15 – 20 A, 16 A
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Contact Current Rating (Max)	16 A
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Contact Material	AgNi90/10
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Contact Number of Poles	1
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Relay Terminal Type	PCB-THT
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### Mechanical Attachment

Relay Mounting Type	Printed Circuit Board
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### Dimensions

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

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

Packaging Method	Carton & Tube
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### Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.te.com)>

EU RoHS Directive 2011/65/EU	Compliant
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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) Candidate List Declared Against: JUNE 2022 (224) 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 # 1-1833011-5  
RZF1-1A6-L006



TE Part # 1-1833011-6  
RZF1-1A6-L009



TE Part # 1-1833011-8  
RZF1-1A6-L018



TE Part # 1-1833011-9  
RZF1-1A6-L024



TE Part # 1833011-1  
RZF1-1A4-L005



TE Part # 1833011-2  
RZF1-1A4-L006



TE Part # 1833011-3  
RZF1-1A4-L009



TE Part # 1833011-4  
RZF1-1A4-L012



TE Part # 1833011-6  
RZF1-1A4-L024



TE Part # 1833011-7  
RZF1-1A4-L048



TE Part # 2-1833011-0  
RZF1-1A6-L048



TE Part # 2-1833011-8  
RZF1-1A6-L005

### Also in the Series

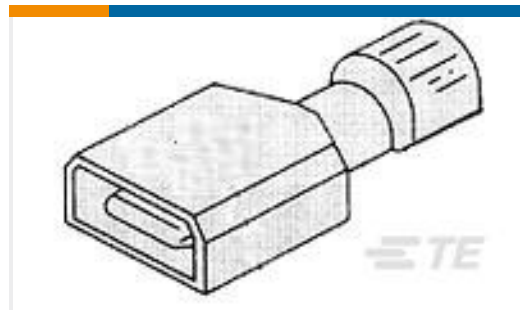
### Customers Also Bought



TE Part #1879021-1  
SMW3 R10 5%



TE Part #5569257-1  
STK MJ ASSY,8POS,2X4,SHLD,CAT5



TE Part #2-521105-2  
ULTRA-FAST 187 ASY REC 22-18 TPBR



TE Part #1954289-3  
Connector,Blade & Recept 6 Pos



TE Part #3-2176341-8  
CRGCQ 0805 12K 1%



TE Part #3-2176341-1  
CRGCQ 0805 3K3 1%



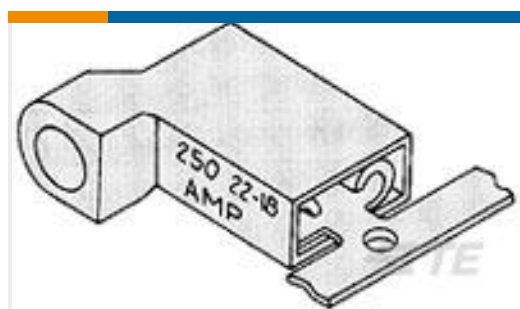
TE Part #2-2176341-1  
CRGCQ 0805 470R 1%



TE Part #2176349-1  
CRGCQ 2512 10R 1%



TE Part #42822-4  
250 FASTON TAB TPBR



TE Part #3-520338-2  
ULTRA-FAST 187 ASY REC 16-14 AWG  
TPBR

### Documents

[CAD Files](#)

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_1-1833011-7\\_B.2d\\_dxf.zip](#)

[English](#)



Customer View Model

[ENG\\_CVM\\_CVM\\_1-1833011-7\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_1-1833011-7\\_B.3d\\_stp.zip](#)

English

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**Datasheets & Catalog Pages**

[RZF Relay Product Flyer](#)

English

[RZF Relay Datasheet](#)

English

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**Product Specifications**

[Definitions General Purpose Relays](#)

English

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**Agency Approvals**

[RZF\\_CQC\\_S\\_C1](#)

English

[RZF\\_CQC\\_SZ\\_C1](#)

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