

1833011-7 ✓ ACTIVE

SCHRACK | SCHRACK RZF

TE Internal #: 1833011-7

Power Relays, Standard, Monostable, DC, 530 mW Coil Power Rating DC, 4347  $\Omega$  Coil Resistance, UL Coil Insulation Class F, SCHRACK RZF

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Relays, Contactors & Switches > Relays > Power Relays



Power Relay Type: **Standard**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating Class: **500 – 600 mW**

Coil Power Rating DC: **530 mW**

Coil Resistance: **4347  $\Omega$**

## 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 |
| 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                                 |
| 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 Class                                    | 500 – 600 mW                         |
| Coil Power Rating DC                                       | 530 mW                               |
| Coil Resistance  | 4347 $\Omega$                        |
| Coil Special Features                                      | UL Coil Insulation Class F           |
| Coil Voltage Rating  | 48 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] |
|----------------|---------------|

|            |         |
|------------|---------|
| Case 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 | 10 – 20 A, 15 – 20 A, 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](https://www.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 2022 (224)<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>

## Compatible Parts



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



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



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



TE Part # 1833011-5  
RZF1-1A4-L018



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



TE Part # 1-1833011-5  
RZF1-1A6-L006



TE Part # 1-1833011-7  
RZF1-1A6-L012



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



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

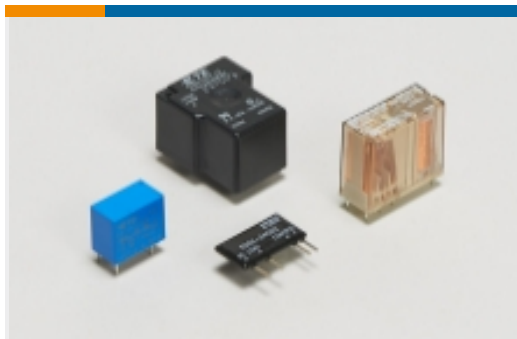


TE Part # 1833011-4  
RZF1-1A4-L012



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

## Also in the Series | SCHRACK RZF



Power Relays(14)

## Documents

### CAD Files

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_1833011-7\\_B.2d\\_dxf.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_1833011-7\\_B.3d\\_igs.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_1833011-7\\_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, Handling, Processing, Testing and Use of Relays](#)

English

### Agency Approvals



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

English

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

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