

1833011-7

X OBSOLETE

SCHRACK

TE Internal #: 1833011-7

TE Internal Description: RZF1-1A4-L048

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Relays & Contactors > Relays > Power Relays

Relay Type: **Standard**Coil Magnetic System: **Monostable**Coil Power Rating DC: **530 mW**Coil Resistance: **4347 Ω**Coil Special Features: **UL Coil Insulation Class F**

Features

Product Type Features

Relay Type	Standard
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Configuration Features

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	1000 Vrms
Contact Limiting Making Current	16 A
Contact Limiting Continuous Current	16 A
Insulation Initial Dielectric Between Contacts & Coil	5000 Vrms
Coil Power Rating DC	530 mW
Coil Resistance	4347 Ω
Coil Voltage Rating	48 VDC
Contact Current Rating	16 A
Contact Switching Load (Min)	100mA @ 5V
Contact Switching Voltage (Max)	400 VAC
Contact Voltage Rating	250 VAC

Body Features

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

Contact Plating Material	Silver Nickel
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Contact Material	AgNi90/10
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Dimensions

Insulation Creepage Between Contact & Coil	8 mm [.315 in]
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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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Operation/Application

Actuating System	DC
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Shock Resistance	100G's, 6ms
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Coil Magnetic System	Monostable
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Packaging Features

Packaging Method	Carton & Tube
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Other

Length Class (Mechanical)	25 - 30 mm
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Insulation Initial Dielectric Between Coil & Contact Class	2500 - 5000 V, 4000 - 5000 V, 5000 V
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Insulation Creepage Class	8 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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Coil Power Rating Class	500 - 600 mW
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Width Class (Mechanical)	12 - 16 mm
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Contact Current Class	16 A
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Product Compliance

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

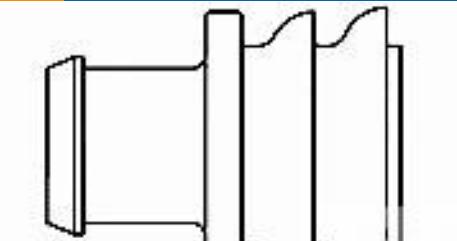
EU RoHS Directive 2011/65/EU	Compliant
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EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2024 (240) Candidate List Declared Against: JUL 2021 (219) 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 # DT04-2P REC, 2P, GRY, N	 TE Part # DT06-2S PLG, 2P, GRY, N	 TE Part # W2S Wedgelocks: DEUTSCH DT	 TE Part # 0460-202-16141 DEUTSCH Solid Contacts
 TE Part # 282104-1 AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING	 TE Part # 281934-2 SINGLE WIRE SEAL	 TE Part # 114017-ZZ SEALING PLUG, SIZE 12/16, WHT	

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 General Purpose Relays**

English

Agency Approvals[RZF_CQC_S_C1](#)

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[RZF_CQC_SZ_C1](#)

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