TE Internal #: 1-1393239-1

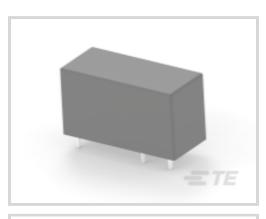
Power Relays, Standard, Monostable, DC, 420 mW Coil Power Rating DC, 770  $\Omega$  Coil Resistance, UL Coil Insulation Class F, 18

VDC Coil Voltage

View on TE.com >

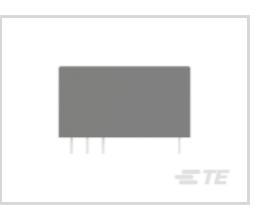


Relays & Contactors > Relays > Power Relays











Relay Type: Standard

Coil Magnetic System: Monostable, DC

Coil Power Rating DC: 420 mW

Coil Resistance: 770 Ω

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

## **Features**

## Product Type Features

Relay Type	Standard
Configuration Features	
Coil Special Features	UL Coil Insulation Class F
Contact Arrangement	1 Form C (CO)
Contact Number of Poles	1
Electrical Characteristics	
Contact Limiting Making Current	25 A
Contact Limiting Continuous Current	12 A
Insulation Initial Dielectric Between Adjacent Contacts	1000 Vrms
Insulation Initial Dielectric Between Contacts & Coil	5000 Vrms
Coil Power Rating DC	420 mW
Coil Resistance	770 Ω
Coil Voltage Rating	18 VDC
Contact Current Rating	12 A



Contact Switching Load (Min)	10mA @ 12V
Contact Switching Voltage (Max)	400 VAC
Contact Voltage Rating	250 VAC
Body Features	
Product Weight	14 g[.494 oz]
Contact Features	
Contact Material	AgNi90/10
Termination Features	
Relay Connection Type	PCB Termination
Terminal Configuration	Solder Pins
Mechanical Attachment	
Product Mount Type	Printed Circuit Board
Dimensions	
Insulation Creepage Between Contact & Coil	10 mm[.394 in]
Product Width	12.7 mm[.5 in]
Product Length	29 mm[1.14 in]
Product Height	15.7 mm[.618 in]
Usage Conditions	
Environmental Ambient Temperature (Max)	85 °C[185 °F]
Operating Temperature Range	-40 - 85 °C[-40 - 185 °F]
Operation/Application	
Solder Process	Wave Solder
Coil Magnetic System	Monostable, DC
Packaging Features	
Packaging Method	Carton
Other	
Insulation Initial Dielectric Between Coil & Contact Class	2500 - 5000 V, 4000 - 5000 V, 5000 V
Insulation Creepage Class	10 - 20 mm
Height Class (Mechanical)	0 - 50 mm, 15 - 16 mm
Coil Power Rating Class	400 - 500 mW
Width Class (Mechanical)	12 - 16 mm



Contact Current Class

1 - 100 A, 10 - 15 A, 10 - 20 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





















## Customers Also Bought









TE Part # 2101787-4 ARINC 600, SZ 2 RCPT, EON, 150/150 /13CQ2 TE Part # 3-5646446-0
2MM HM,ASY,T-F,REC,TWIST TULIP

## **Documents**

**CAD Files** 

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-1393239-1\_F.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1-1393239-1\_F.3d\_igs.zip

English



**Customer View Model** 

ENG\_CVM\_CVM\_1-1393239-1\_F.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 RT1

English

**Product Specifications** 

**Definitions General Purpose Relays** 

English

**Agency Approvals** 

**VDE** Certificate

English