RT114018 ✔ ACTIVE

TE Internal #: 1-1393239-1

Power Relays, General Purpose Power Relay, Monostable, 420 mW Coil Power Rating DC, 770 Ω Coil Resistance, UL Coil Insulation Class F

View on TE.com >

Relays & Contactors > Relays > Power Relays



Relay Type: **General Purpose Power Relay**

Coil Magnetic System: **Monostable**

Coil Power Rating DC: **420 mW**

Coil Resistance: **770 Ω**

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

Features

Product Type Features

Relay Type	General Purpose Power Relay

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 Category of Protection	RTII
Environmental Ambient Temperature (Max)	85 °C[185 °F]
Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]

Operation/Application

Actuating System	DC
Solder Process	Wave Solder
Coil Magnetic System	Monostable

Packaging Features

Packaging Method	Carton

Other

Insulation Initial Dielectric Between Coil & Contact Class	2500 – 5000 V, 4000 – 5000 V, 5000 V
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: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) 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 # 5-1415036-1
PTML0024



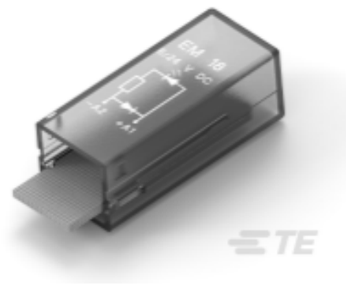
TE Part # 9-1415036-1
PTMT00A0



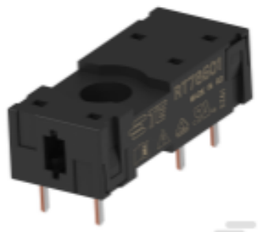
TE Part # 8-1415035-1
RT78724



TE Part # 2022103-1
RT17017



TE Part # 2-1415036-1
PTMG0024



TE Part # 1860990-1
RT78601, RELAY SOCKET PCB 3.5MM



TE Part # 1415037-1
PTMT00L0



TE Part # 1415540-8
RT28816



TE Part # 8-1415036-1
PTML1024

Customers Also Bought



TE Part #4-640440-1
11P MTA100 CONN ASSY 22AWG RED



TE Part #1-1623925-5
CFR100 5% 1K0



TE Part #1-2176251-9
CRGS2010 5% 33R



TE Part #8-2176412-3
5W XSM M/OX 5% 13K



TE Part #6-2176414-6
7W STD M/OX 5% 10K



TE Part #1-2176250-0
TJT 500W 33R 5%



TE Part #2-2176507-4
CJP 200W 47R 5% Lead

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