



Relays, Contactors & Switches > Relays > Power Relays



Power 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

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
Contact Limiting Making Current	25 A
Insulation Creepage Class	10 – 20 mm
Contact Limiting Continuous Current	12 A
Coil Power Rating Class	400 – 500 mW
Insulation Initial Dielectric Between Adjacent Contacts	1000 Vrms
Insulation Initial Dielectric Between Contacts & Coil	5000 Vrms
Insulation Creepage Between Contact & Coil	10 mm[.394 in]
Coil Magnetic System	Monostable, DC
Coil Power Rating DC	420 mW
Coil Resistance	770 Ω
Coil Special Features	UL Coil Insulation Class F
Coil Voltage Rating	18 VDC



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]
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Contact Features

Contact Arrangement	1 Form C (CO)
Contact Current Class	1 – 100 A, 10 – 15 A, 10 – 20 A
Contact Current Rating (Max)	12 A
Contact Material	AgNi90/10
Contact Number of Poles	1
Relay Terminal Type	PCB-THT, Plug-In

Mechanical Attachment

Relay Mounting Type	Printed Circuit Board, Socket
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Dimensions

Height Class (Mechanical)	0 – 50 mm, 15 – 16 mm
Width Class (Mechanical)	12 – 16 mm
Product Width	12.7 mm[.5 in]
Product Length	29 mm[1.142 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]

Packaging Features

Packaging Method	Carton
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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 2023 (235)
Candidate List Declared Against: JUNE 2023 (235)
Does not contain REACH SVHC

Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
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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 # 2022103-1
RT17017




TE Part # 2-1415036-1
PTMG0024




TE Part # 1415037-1
PTMT00LO



TE Part # 8-1415035-1
RT78724



TE Part # 1415540-8
RT28816



TE Part # 8-1415036-1
PTML1024



Customers Also Bought



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