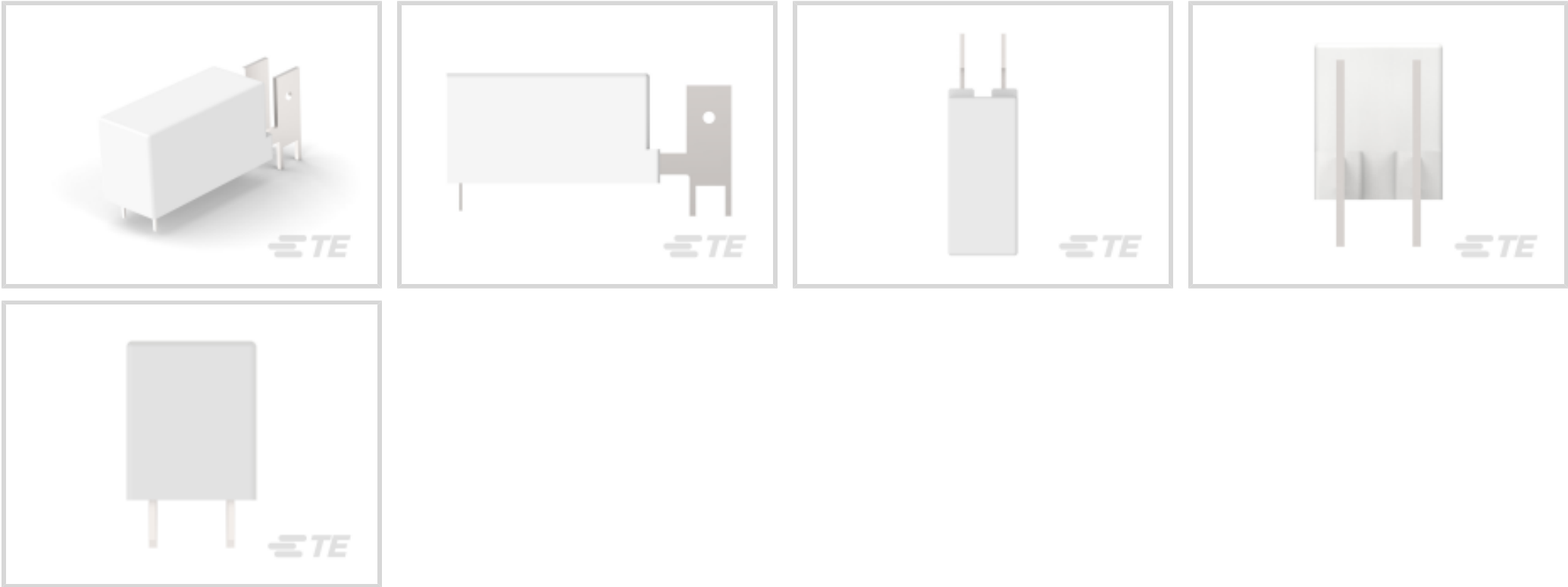




Relays & Contactors > Relays > Power Relays



Power Relay Type: **Standard**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating DC: **400 mW**

Coil Resistance: **360 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	3500 – 4000 V
Insulation Initial Dielectric Between Open Contacts	1000 Vrms
Contact Limiting Making Current	25 A
Contact Limiting Short-Time Current	16 A
Contact Limiting Continuous Current	16 A
Insulation Creepage Class	5.5 – 8 mm
Coil Power Rating Class	300 – 400 mW
Insulation Initial Dielectric Between Contacts & Coil	4000 Vrms
Insulation Creepage Between Contact & Coil	8 mm[.315 in]
Contact Limiting Breaking Current	16 A
Coil Magnetic System	Monostable, DC
Coil Power Rating DC	400 mW
Coil Resistance	360 Ω



Coil Special Features	UL Coil Insulation Class F
Coil Voltage Rating	12 VDC
Contact Switching Load (Min)	500mA @ 12V
Contact Switching Voltage (Max)	400 VAC
Contact Voltage Rating	250 VAC

Body Features

Insulation Special Features	Tracking Index of Relay Base PTI250
Product Weight	20 g[.706 oz]

Contact Features

Contact Arrangement	1 Form B (NC)
Contact Current Class	16 A
Contact Current Rating (Max)	16 A
Contact Material	AgNi90/10
Contact Number of Poles	1

Dimensions

Length Class (Mechanical)	25 – 30 mm
Insulation Clearance Class	5 – 8 mm
Height Class (Mechanical)	15 – 16 mm
Insulation Clearance Between Contact & Coil	8 mm[.315 in]
Width Class (Mechanical)	12 – 16 mm
Product Width	12.7 mm[.5 in]
Product Length	29 mm[1.142 in]
Product Height	16 mm[.63 in]

Usage Conditions

Environmental Ambient Temperature Class	85 – 105 °C
Environmental Ambient Temperature (Max)	105 °C[221 °F]

Packaging Features

Packaging Method	Box & Tray, Tray
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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: JUNE 2022 (224) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
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 Regulations, TE’s information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) ‘Guidance on requirements for substances in articles’(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of ‘complex object’, the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA “Guidance on requirements for substances in articles” (June 2017, version 4.0) and will be updating its statements accordingly.


Compatible Parts

 TE Part # 6-1415520-1 RFH34024WG	 TE Part # 9-1415513-1 RF334024	 TE Part # 3-1415521-1 RFH54024WG	 TE Part # 7-1415517-1 RF334012WG
 TE Part # 9-1415520-1 RFH54005WG	 TE Part # 5-1415520-1 RFH34012WG	 TE Part # 1415511-1 RFH34024	 TE Part # 2-1833005-3 RFH54015WG







TE Part # 6-1415510-1  
RFH34012




TE Part # 1-1415521-1  
RFH54009WG




TE Part # 1415521-1  
RFH54006WG




TE Part # 4-1415518-1  
RF354012WG



TE Part # 6-1415511-1  
RFH54012



TE Part # 9-1415521-1  
RFHD4012WG



TE Part # 4-1415512-1  
RFHD4024

Also in the Series

Customers Also Bought



TE Part #1558677-7  
T9GS2L24-24



TE Part #350566-7  
MINI AMP-IN 22-18 AWG POST TIN  
PLTD



TE Part #917725-1  
2.5 SIGNAL D/LOCK HDR ASSY 5P



TE Part #1-1571076-0  
PRASA1-16F-BB0BW=POWER  
ROCKER



TE Part #927837-4  
SPT REC 6.3 Contact SRC Ag



TE Part #8-2338245-5  
EP2.5 HDR 5P VERT BOSS, GREEN, UL



TE Part #1-1969570-2  
ASSY, HDR, VERT, GWT, BOSSED, DUAL  
ROW, EP2.5

Documents

- CAD Files
- 3D PDF
- 3D
- Customer View Model
- ENG\_CVM\_CVM\_2-1415521-1\_B.2d\_dxf.zip
- English



Customer View Model

[ENG\\_CVM\\_CVM\\_2-1415521-1\\_B.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1415521-1\\_B.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

[Power Relay RF](#)

English

Product Specifications

[Definitions General Purpose Relays](#)

English

Agency Approvals

[Agency Approval Document](#)

English