



Relays, Contactors & Switches > 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 A (NO)
Contact Current Class	10 – 20 A, 16 A
Contact Current Rating (Max)	16 A
Contact Material	AgNi90/10
Contact Number of Poles	1
Relay Terminal Type	PCB-THT, Quick Connect

Mechanical Attachment

Relay Mounting Type	Printed Circuit Board
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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
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.
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 # 6-1415520-1 RFH34024WG	 TE Part # 7-1415517-1 RF334012WG	 TE Part # 9-1415520-1 RFH54005WG	 TE Part # 8-1415513-1 RF334012
 TE Part # 1415511-1 RFH34024	 TE Part # 2-1833005-3 RFH54015WG	 TE Part # 6-1415510-1 RFH34012	 TE Part # 9-1415521-1 RFHD4012WG



TE Part # 1-1415521-1
RFH54009WG

TE Part # 1415521-1
RFH54006WG

TE Part # 2-1415521-1
RFH54012WG

TE Part # 3-1415520-1
RFH34006WG

TE Part # 4-1415512-1
RFHD4024

TE Part # 4-1415520-1
RFH34009WG

TE Part # 6-1415511-1
RFH54012

Also in the Series

Customers Also Bought

TE Part #1742188-1
250 FASTON,PCB TAB,TCBR

TE Part #4-1123724-2
3.96EP HDR ASSY 2(3)P RED

TE Part #456408-3
CRIMPER WIRE .110 F

TE Part #1-1877285-7
07P EP SHRD HDR ASMY, WHITE,NO PIN 6

TE Part #2322950-4
4P, RAST 5 TAB HEADER SELEC, THV, OPP

TE Part #6-1565036-5
EP CONN. HDR ASSY 5/6P W/O#5 BLUE

TE Part #953440-5
6W MQS HEADER BENT RIGHT

TE Part #1544114-3
CLIP DRAPEAU 6,35

TE Part #1544113-3
CLIP DRAPEAU 6,35

TE Part #811242-6
BUMPER, HOLD DOWN



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-1415520-1_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-1415520-1_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-1415520-1_B.3d_stp.zip

English

Customer View Model

ENG_CVM_5-1415520-1_SHK1.3d_igs.zip

English

Customer View Model

ENG_CVM_5-1415520-1_SHK1.3d_stp.zip

English

Customer View Model

ENG_CVM_5-1415520-1_SHK1.2d_dxf.zip

English

3D PDF

English

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Datasheets & Catalog Pages

Power Relay RF

English

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

Agency Approval Document

English