



Relays, Contactors & Switches > Relays > Power Relays



Power Relay Type: **Standard**
Coil Magnetic System: **Monostable, DC**
Coil Power Rating Class: **400 – 500 mW**
Coil Power Rating DC: **420 mW**
Coil Resistance: **8570 Ω**

Features

Product Type Features

Power Relay Type	Standard
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Electrical Characteristics

Insulation Initial Dielectric Between Coil & Contact Class	4000 V
Insulation Initial Dielectric Between Open Contacts	1000 Vrms
Contact Limiting Making Current	30 A
Contact Limiting Short-Time Current	16 A
Contact Limiting Continuous Current	16 A
Insulation Creepage Class	8 mm
Insulation Initial Dielectric Between Contacts & Coil	5000 Vrms
Insulation Creepage Between Contact & Coil	10 mm[.394 in]
Contact Limiting Breaking Current	16 A
Coil Magnetic System	Monostable, DC
Coil Power Rating Class	400 – 500 mW
Coil Power Rating DC	420 mW
Coil Resistance	8570 Ω
Coil Special Features	UL Coil Insulation Class F
Coil Voltage Rating	60 VDC
Contact Switching Load (Min)	10mA @ 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	14 g[.494 oz]

Contact Features

Contact Plating Material	Gold
Contact Arrangement	1 Form C (CO)
Contact Current Class	10 – 20 A, 16 A
Contact Current Rating (Max)	16 A
Contact Material	AgNi90/10
Contact Number of Poles	1
Terminal Type	PCB-THT, Plug-In

Mechanical Attachment

Relay Mounting Type	Printed Circuit Board
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Dimensions

Length Class (Mechanical)	25 – 30 mm
Insulation Clearance Class	8 mm
Height Class (Mechanical)	15 – 16 mm
Insulation Clearance Between Contact & Coil	10 mm[.394 in]
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 Class	70 – 85 °C
Environmental Ambient Temperature (Max)	85 °C[185 °F]

Packaging Features

Packaging Method	Box & Tube, 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: JAN 2021 (211) Candidate List Declared Against: JAN 2021 (211) 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 # 5-1415539-3
PTML0060

TE Part # 1860306-1
RT78725

TE Part # 9-1415036-1
PTMT00A0

TE Part # 1860200-1
RT7872P

TE Part # 2022103-1
RT17017

TE Part # 7-1415539-7
PTMG0060

TE Part # 1415037-1
PTMT00L0

TE Part # 6-1415035-1
RT78726



TE Part # 1-1415539-3
PTML0560

TE Part # 1-1415539-5
PTMG0560

TE Part # 1860991-1
RT78602, RELAY SOCKET PCB 5MM

TE Part # 1415540-8
RT28816

Also in the Series | **SCHRACK Power PCB Relay RT1**

Power Relays(220)

Customers Also Bought

TE Part #0462-209-16141
DEUTSCH SOLID CONTACTS

TE Part #W6P
DEUTSCH DT WEDGELOCKS

TE Part #1-480698-0
02P UMNL PLUG HSG NATL

TE Part #1-1825139-5
A205SD9AB04

TE Part #1-1649326-6
RT114048

TE Part #1-1649328-7
RT314060

TE Part #1-2350514-4
14POS TB HDR 90 DEG, PITCH 3.5
&TL 3.5mm

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1393240-7_F.2d_dxf.zip

English



Customer View Model

[ENG_CVM_CVM_1-1393240-7_F.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_1-1393240-7_F.3d_stp.zip](#)

English

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Datasheets & Catalog Pages

[Power PCB Relay RT1](#)

English

[Industrial Relays Quick Reference Guide](#)

English

[Industrial Relays Quick Reference Guide](#)

Japanese

[Industrial Relays Quick Reference Guide](#)

Product Specifications

[Definitions, Handling, Processing, Testing and Use of Relays](#)

English

Agency Approvals

[VDE Certificate](#)

English