



Relays & Contactors > Electromechanical Relays



Relay & Contactor Type: **General Purpose Power Relay**

Current Type: **DC**

Coil Magnetic System: **Monostable**

Contact Arrangement: **1 Form C SPDT-CO**

Contact Current Rating: **12 A**

Features

Product Type Features

Relay & Contactor Type	General Purpose Power Relay
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Configuration Features

Contact Number of Poles	1
Contact Arrangement	1 Form C SPDT-CO

Electrical Characteristics

Contact Limiting Short-Time Current	12 A
Contact Limiting Making Current	12 A
Contact Limiting Continuous Current	12 A
Contact Limiting Breaking Current	12 A
Insulation Initial Dielectric Between Open Contacts	1000 Vrms
Coil Current	.047 A
Contact Switching Voltage (Max)	400 VAC
Contact Switching Load (Min)	100mA @ 24V
Coil Resistance	256 Ω



Contact Current Rating	12 A
Coil Voltage Rating	12 VDC
Contact Voltage Rating	250 VAC
Coil Power Rating DC	.5 W
Insulation Initial Dielectric Between Contacts & Coil	4000 Vrms

Body Features

Product Weight	18 g
Enclosure Type	Flux Resistant Automatic Solder Capable

Contact Features

Contact Material	AgNi90/10
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Termination Features

Main Termination & Connection Type	Solder Pins
Coil Termination & Connection Type	Solder Pins

Mechanical Attachment

Product Mount Type	Board Mount
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Dimensions

Insulation Clearance Between Contact & Coil	8 mm
Insulation Creepage Between Contact & Coil	8 mm
Product Width	12.6 mm[.496 in]
Product Length	29 mm[1.14 in]
Product Height	25.5 mm[1 in]

Usage Conditions

Operating Temperature Range	-40 – 70 °C[-40 – 158 °F]
Environmental Category of Protection	RTII
Environmental Ambient Temperature (Max)	70 °C[158 °F]

Operation/Application

Solder Process	Wave Solder Capable
Current Type	DC
Coil Magnetic System	Monostable

Packaging Features

Packaging Method	Box & Tube
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Other

Coil Power Rating Class	.5 – .6 W
Contact Current Class	10 – 15 A
Environmental Ambient Temperature Class	50 – 70 °C
Height Class (Mechanical)	25 – 30 mm
Length Class (Mechanical)	25 – 30 mm
Width Class (Mechanical)	12 – 16 mm

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 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Methanone, (diphenylphosphinyl)(2,4,6-trimethylphenyl)- (2% in 10539788067) Article Safe Usage Statements: Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

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 # 1860991-1
RT78602, RELAY SOCKET PCB 5MM

TE Part # 1-1393161-9
RP28500-RETAINING CLIP

TE Part # 1860996-1
RP16C01 PLASTIC RETAINING CLIP HIGH

Customers Also Bought

TE Part #5161390-2
02P.DIP SWITCH ASSY

TE Part #YDTS20W15-35SNV001
RECP ASSY

TE Part #1648384-1
708-73-01109=SA CONTACT,SKT

TE Part #2-2176400-5
3540 10R 1%

TE Part #1766230-1
CONTACT,PIN,SIZE #1/4

TE Part #1648127-1
235-0152-01100

TE Part #1650153-2
701-12-02109=CONTACT,PIN,#12

TE Part #1558671-4
T9GV1L24-15

TE Part #4-1879011-3
SMF2 12K 5%

TE Part #9-2176316-6
MELF SMA-A 470K 1% 50PPM 0207 1W

Documents

- CAD Files
- 3D PDF
- 3D
- Customer View Model
- ENG_CVM_CVM_1415547-4_A.2d_dxf.zip
- English
- Customer View Model
- ENG_CVM_CVM_1415547-4_A.3d_igs.zip
- English



Customer View Model

[ENG_CVM_CVM_1415547-4_A.3d_stp.zip](#)

English

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

Datasheets & Catalog Pages

[PCB Accessories Industrial Power Relays](#)

English

[Power PCB Relay RPII/1](#)

English

Product Specifications

[Definitions General Purpose Relays](#)

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Agency Approvals

[VDE Certificate](#)

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