



Relays & Contactors > Electromechanical Relays



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

Coil Magnetic System: **Monostable**

Contact Arrangement: **4 Form C 4PDT-CO**

Current Type: **DC**

Contact Current Rating: **6 A**

Features

Product Type Features

|                        |                             |
|------------------------|-----------------------------|
| Relay & Contactor Type | General Purpose Power Relay |
|------------------------|-----------------------------|

Configuration Features

|                         |                            |
|-------------------------|----------------------------|
| Contact Number of Poles | 4                          |
| Coil Special Features   | UL Coil Insulation Class F |
| Contact Arrangement     | 4 Form C 4PDT-CO           |

Electrical Characteristics

|                                                         |            |
|---------------------------------------------------------|------------|
| Contact Limiting Short-Time Current                     | 300 A      |
| Contact Limiting Making Current                         | 12 A       |
| Contact Limiting Breaking Current                       | 6 A        |
| Insulation Initial Dielectric Between Open Contacts     | 1200 Vrms  |
| Insulation Initial Dielectric Between Adjacent Contacts | 2500 Vrms  |
| Contact Switching Voltage (Max)                         | 240 VAC    |
| Contact Switching Load (Min)                            | 10mA @ 12V |
| Coil Resistance                                         | 192 Ω      |
| Contact Current Rating                                  | 6 A        |
| Coil Voltage Rating                                     | 12 VDC     |
| Contact Voltage Rating                                  | 240 VAC    |



|                                                       |           |
|-------------------------------------------------------|-----------|
| Coil Power Rating DC                                  | .75 W     |
| Insulation Initial Dielectric Between Contacts & Coil | 2500 Vrms |

Body Features

|                |                                         |
|----------------|-----------------------------------------|
| Product Weight | 30 g[1.058 oz]                          |
| Enclosure Type | Flux Resistant Automatic Solder Capable |

Contact Features

|                  |           |
|------------------|-----------|
| Contact Material | AgNi90/10 |
|------------------|-----------|

Termination Features

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

Mechanical Attachment

|                    |             |
|--------------------|-------------|
| Product Mount Type | Board Mount |
|--------------------|-------------|

Dimensions

|                                             |                  |
|---------------------------------------------|------------------|
| Insulation Clearance Between Contact & Coil | 3 mm             |
| Insulation Creepage Between Contact & Coil  | 4 mm[.157 in]    |
| Product Width                               | 22.5 mm[.886 in] |
| Product Length                              | 28 mm[1.102 in]  |
| Product Height                              | 30 mm[1.181 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 |
| Coil Magnetic System | Monostable          |
| Current Type         | DC                  |

Packaging Features

|                  |               |
|------------------|---------------|
| Packaging Method | Carton & Tube |
|------------------|---------------|

Other

|                         |            |
|-------------------------|------------|
| Coil Power Rating Class | >.6 – ≤1 W |
| Contact Current Class   | >5 – ≤10 A |
|                         |            |



|                           |                                  |
|---------------------------|----------------------------------|
| Height Class (Mechanical) | >27 – ≤33 mm[>1.063 – ≤1.299 in] |
| Length Class (Mechanical) | >22 – ≤33 mm[>.866 – ≤1.299 in]  |
| Width Class (Mechanical)  | >22 – ≤33 mm[>.866 – ≤1.299 in]  |

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 2025 (250)<br>Candidate List Declared Against: JAN 2025 (247)<br>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



Also in the Series | [SCHRACK Miniature Relay PT](#)

A collection of various DC relays, including a large silver one and several smaller black and white ones.

DC Relays(66)

A collection of general purpose power relays, including a large black one, a smaller black one, and a yellow one.

General Purpose Power Relays(109)

A collection of PCB relays, including several white and black ones.

PCB Relays(24)

A collection of plug-in relays, including several black and white ones.

Plug-In Relays(85)

Customers Also Bought

A black relay component.

TE Part #9-1393129-5  
PRD-7AG0-120=PRD

A black relay component with a red top.

TE Part #1-1393154-2  
PT570024

An orange relay component.

TE Part #1-1393239-3  
RT114024

An orange relay component.

TE Part #5-1393239-4  
RT214012

An orange relay component.

TE Part #5-1393239-5  
RT214024

An orange relay component.

TE Part #1393240-7  
RT314730

An orange relay component.

TE Part #7-1393243-6  
RT424524

A black relay component with a red top.

TE Part #8-1419111-0  
PT570012

A blue relay component.

TE Part #1825007-1  
DRD10CE04=ROT DIP,10P

A blue relay component.

TE Part #1825007-6  
DRD10E04=ROT DIP,10P

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_9-1419111-2\_99.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_9-1419111-2\_99.3d\_igs.zip



English

Customer View Model

ENG\_CVM\_CVM\_9-1419111-2\_99.3d\_stp.zip

English

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

Datasheets & Catalog Pages

Miniature Relay PT

English

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

VDE Certificate

English