



Relays & Contactors > Electromechanical Relays



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

Coil Magnetic System: **Monostable**

Contact Arrangement: **3 Form C 3PDT-CO**

Current Type: **DC**

Contact Current Rating: **10 A**

Features

Product Type Features

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

Configuration Features

|                         |                            |
|-------------------------|----------------------------|
| Contact Number of Poles | 3                          |
| Coil Special Features   | UL Coil Insulation Class F |
| Contact Arrangement     | 3 Form C 3PDT-CO           |

Electrical Characteristics

|                                                         |            |
|---------------------------------------------------------|------------|
| Contact Limiting Short-Time Current                     | 300 A      |
| Contact Switching Voltage (Max)                         | 400 VAC    |
| Contact Switching Load (Min)                            | 10mA @ 12V |
| Insulation Initial Dielectric Between Open Contacts     | 1200 Vrms  |
| Insulation Initial Dielectric Between Adjacent Contacts | 2500 Vrms  |
| Contact Limiting Making Current                         | 20 A       |
| Contact Limiting Breaking Current                       | 10 A       |
| Coil Resistance                                         | 16133 Ω    |
| Contact Current Rating                                  | 10 A       |
| Coil Voltage Rating                                     | 110 VDC    |
| Contact Voltage Rating                                  | 240 VAC    |



|                                                       |           |
|-------------------------------------------------------|-----------|
| Coil Power Rating DC                                  | .75 W     |
| Insulation Initial Dielectric Between Contacts & Coil | 1200 Vrms |

Body Features

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

Contact Features

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

Mechanical Attachment

|                    |                |
|--------------------|----------------|
| Product Mount Type | Panel & Socket |
|--------------------|----------------|

Dimensions

|                                             |                  |
|---------------------------------------------|------------------|
| Insulation Clearance Between Contact & Coil | 3 mm             |
| Insulation Creepage Between Contact & Coil  | 4 mm[.157 in]    |
| Product Width                               | 22.5 mm[.885 in] |
| Product Length                              | 28 mm[1.1 in]    |
| Product Height                              | 29 mm[1.14 in]   |

Usage Conditions

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

Operation/Application

|                      |            |
|----------------------|------------|
| Coil Magnetic System | Monostable |
| Current Type         | DC         |

Packaging Features

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

Other

|                           |                     |
|---------------------------|---------------------|
| Coil Power Rating Class   | .6 – .8 W           |
| Contact Current Class     | 5 – 10 A, 10 – 20 A |
| Height Class (Mechanical) | 25 – 30 mm          |
| Length Class (Mechanical) | 25 – 30 mm          |
| Width Class (Mechanical)  | 20 – 25 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: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                  |
| Solder Process Capability                     | Hand solderable with lead free solder                                                                                           |

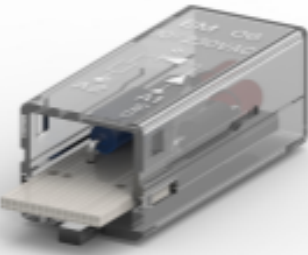
Product Compliance Disclaimer

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>

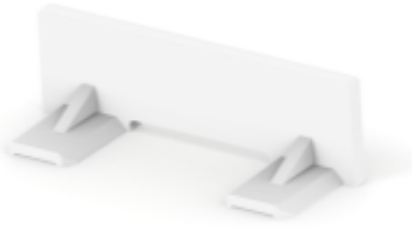
Compatible Parts



TE Part # 1393162-5  
PT78603



TE Part # 7-1415036-1  
PTML0730



TE Part # 6-1415037-1  
PT17040



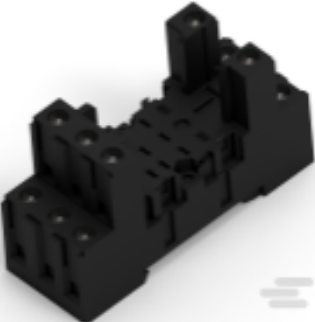
TE Part # 1816124-1  
PT17024



TE Part # 5-1415037-1  
PT17016



TE Part # 5-1419111-9  
PT28800



TE Part # 9-1415071-1  
PT78730



TE Part # 1393162-1  
PT28802





TE Part # 1-1415539-4  
PTML0220

TE Part # 1-1415539-6  
PTMG0220

TE Part # 4-1415036-1  
PTMG0730

TE Part # 1415037-1  
PTMT00LO

TE Part # 9-1415036-1  
PTMT00A0

TE Part # 1860517-5  
PT170R6 Jumper Bar

TE Part # 2-1415392-1  
PTML0110

TE Part # 1-1415539-7  
PTMG0110

Also in the Series | SCHRACK Miniature Relay PT

Electromechanical Relays(111)

Customers Also Bought

TE Part #9-1419111-0  
PT570615

TE Part #8-1419111-8  
PT570548

TE Part #8-1419111-0  
PT570012

TE Part #6-1419111-9  
PT370730

TE Part #6-1419111-0  
PT370012

TE Part #7-1393243-6  
RT424524

TE Part #6-1419111-8  
PT370615

TE Part #6-1419111-1  
PT370024



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_6-1419111-3\_99.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_6-1419111-3\_99.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_6-1419111-3\_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