# PT580048 ✔ ACTIVE

SCHRACK | SCHRACK Miniature Relay PT

TE Internal #: 1-1393154-8

General Purpose Power Relay, DC, Monostable, 4 Form C 4PDT-CO, 6 A Contact Rating, 48 VDC Coil Voltage, SCHRACK Miniature Relay PT

View on TE.com >

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) | 1mA @ .02V |
| Coil Resistance | 3072 Ω |
| Contact Current Rating | 6 A |
| Coil Voltage Rating | 48 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 Plating Material | Gold |
| Contact Material | AgNi90/10 |

## Termination Features

| | |
|---|---|
| Main Termination & Connection Type | Solder/Plug-In Terminals |
| Coil Termination & Connection Type | Solder/Plug-In Terminals |

## Mechanical Attachment

| | |
|---|---|
| Product Mount Type | Panel & Socket 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 | 29 mm[1.142 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

| | |
|---|---|
| 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 | 有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<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



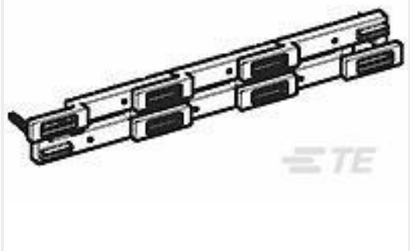
TE Part # 1-1415539-3
PTML0560



TE Part # 1-1415526-1
PT78742



TE Part # 1415037-1
PTMT00L0



TE Part # 1860517-5
PT170R6 Jumper Bar



TE Part # 4-1415033-1
PT78740



TE Part # 6-1415037-1
PT17040



TE Part # 2-1415526-1
PT17021



TE Part # 5-1419111-9
PT28800



TE Part # 1860000-1
PT7874P



TE Part # 6-1415043-1
PT78601



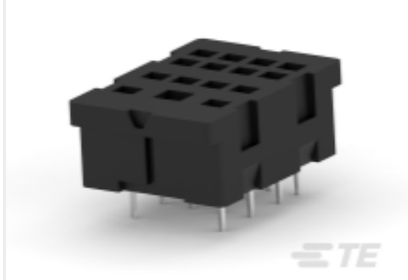
TE Part # 5-1415037-1
PT17016




TE Part # 9-1415036-1
PTMT00A0



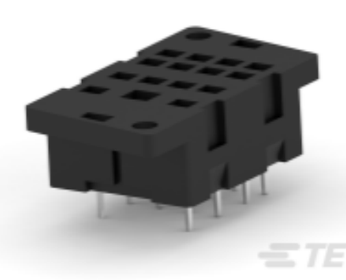
TE Part # 1393162-1
PT28802



TE Part # 3-1415043-1
PT78604



TE Part # 1816124-1
PT17024



TE Part # 4-1415043-1
PT78600



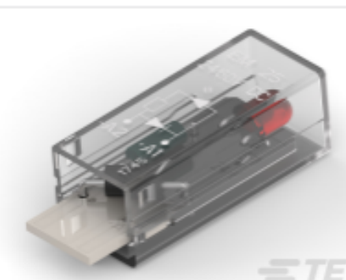

TE Part # 7-1415539-7
PTMG0060



TE Part # 5-1415034-1
PT78741



TE Part # 1860214-1
PT170P1 Jumper Link

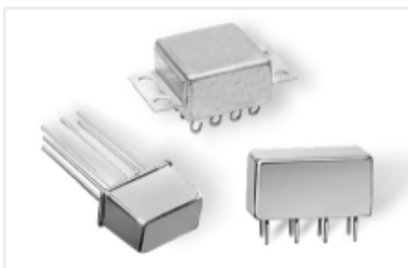


TE Part # 5-1415539-3
PTML0060

## Also in the Series | SCHRACK Miniature Relay PT



AC Relays(33)



DC Relays(56)



Electromechanical Relays(89)



Plug-In Relays(67)

## Customers Also Bought



TE Part #114017-ZZ
SEALING PLUG, SIZE 12/16, WHT



TE Part #CAT-D48-ST273
DEUTSCH Connector Solid Contacts



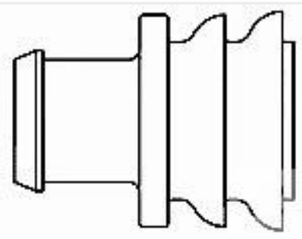
TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT



TE Part #DT06-2S
PLG, 2P, GRY, N



TE Part #DT04-2P
REC, 2P, GRY, N



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING

## Documents

### CAD Files

3D PDF

3D

Customer View Model
ENG_CVM_CVM_1-1393154-8_99.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_1-1393154-8_99.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_1-1393154-8_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