# 1415390-1 ✔ ACTIVE

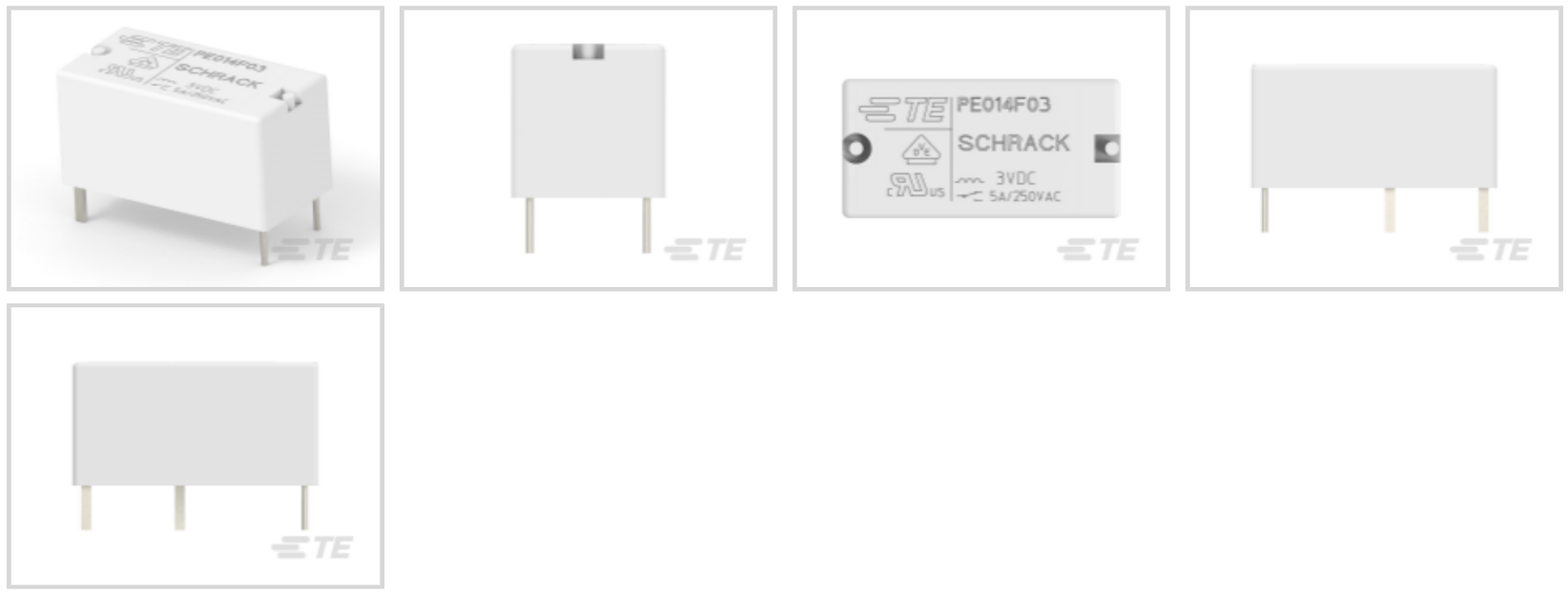
SCHRACK | SCHRACK Miniature PCB Relay PE bistable

TE Internal #: 1415390-1

General Purpose Power Relay, DC, Bistable, 1 Coil, Polarized, 1 Form C SPDT-CO, 5 A Contact Rating, SCHRACK Miniature PCB Relay PE bistable

View on TE.com >

Relays & Contactors > Electromechanical Relays




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

Coil Magnetic System: **Bistable, 1 Coil, Polarized**

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

Current Type: **DC**

Contact Current Rating: **5 A**

## Features

### Product Type Features

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

### Configuration Features

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

### Electrical Characteristics

| | |
|---|---|
| Contact Limiting Short-Time Current | 5 A |
| Contact Limiting Making Current | 5 A |
| Contact Limiting Continuous Current | 5 A |
| Contact Limiting Breaking Current | 5 A |
| Insulation Initial Dielectric Between Open Contacts | 1000 Vrms |
| Contact Switching Voltage (Max) | 400 VAC |
| Coil Resistance | 41 Ω |
| Insulation Initial Resistance | 10000000 MΩ |
| Contact Current Rating | 5 A |

| | |
|---|---|
| Coil Voltage Rating | 3 VDC |
| Contact Voltage Rating | 250 VAC |
| Coil Power Rating DC | .22 W |
| Insulation Initial Dielectric Between Contacts & Coil | 4000 Vrms |

## Body Features

| | |
|---|---|
| | .1764 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 | 3.2 mm[.126 in] |
| Insulation Creepage Between Contact & Coil | 4 mm[.157 in] |
| Product Width | 10 mm[.394 in] |
| Product Length | 20 mm[.787 in] |
| Product Height | 10 mm[.393 in] |

## Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -40 – 85 °C[-40 – 185 °F] |
| Environmental Category of Protection | RTII |
| Environmental Ambient Temperature (Max) | 85 °C[185 °F] |

## Operation/Application

| | |
|---|---|
| Solder Process | Wave Solder Capable |
| Coil Magnetic System | Bistable, 1 Coil, Polarized |
| Current Type | DC |

## Packaging Features

| | |
|---|---|
| Packaging Method | Carton, Tube |

## Other

| | |
|---|---|
| Coil Power Rating Class | >.2 – ≤.3 W |
| Contact Current Class | >2 – ≤5 A |
| Height Class (Mechanical) | >7 – ≤11 mm[>.276 – ≤.433 in] |
| Length Class (Mechanical) | >16 – ≤22 mm[>.63 – ≤.866 in] |
| Width Class (Mechanical) | >7 – ≤11 mm[>.276 – ≤.433 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: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content | Not Low Halogen - contains Br or Cl > 900 ppm. |
| Solder Process Capability | Wave solder capable to 260°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

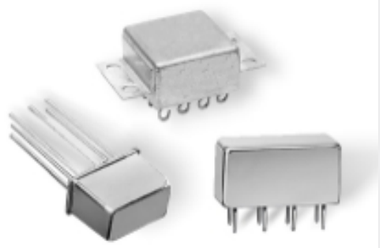



TE Part # 9-1415389-1
PE014F02




TE Part # 1-1415390-1
PE014F05

## Also in the Series | SCHRACK Miniature PCB Relay PE bistable



DC Relays(30)

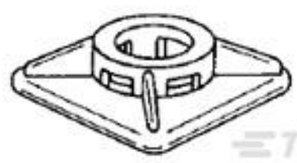


Electromechanical Relays(30)

## Customers Also Bought



TE Part #5000638-F
LDES050BF6S; PRES; 50Pa;0,5...4,5V; 5Vs



TE Part #2-100733-1
MOUNTING BASE,NAT.



TE Part #5-1393224-1
RY211048



TE Part #9-1415389-1
PE014F02



TE Part #1415898-2
RTS3TA12



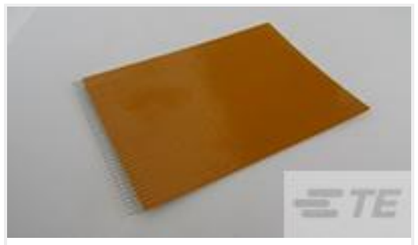
TE Part #1422006-4
V23079G2003X074



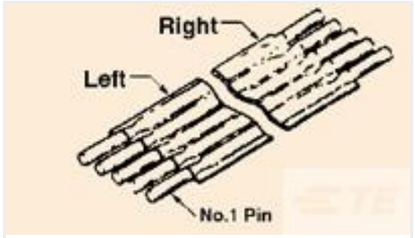

TE Part #8-1622826-2
CRG0402 1% 22R



TE Part #2-2176611-3
EP 2W (SS) 8R2 5%



TE Part #6-1437142-2
FSN-22A-5=NOMEX FS STD




TE Part #5-1437144-9
FSN-23A-6=NOMEX FS STD

## Documents

### CAD Files

Customer View Model

ENG_CVM_CVM_1415390-1_E2.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1415390-1_E2.3d_stp.zip

English

## Customer View Model

ENG_CVM_CVM_1415390-1_E2.2d_dxf.zip

English

3D PDF

3D

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

## Datasheets & Catalog Pages

Miniature PCB Relay PE bistable

English

## Product Specifications

Definitions General Purpose Relays

English

## Agency Approvals

VDE Certificate

English