

2-1419142-2 ✓ ACTIVE

SCHRACK | SCHRACK Miniature PCB Relay PE bistable

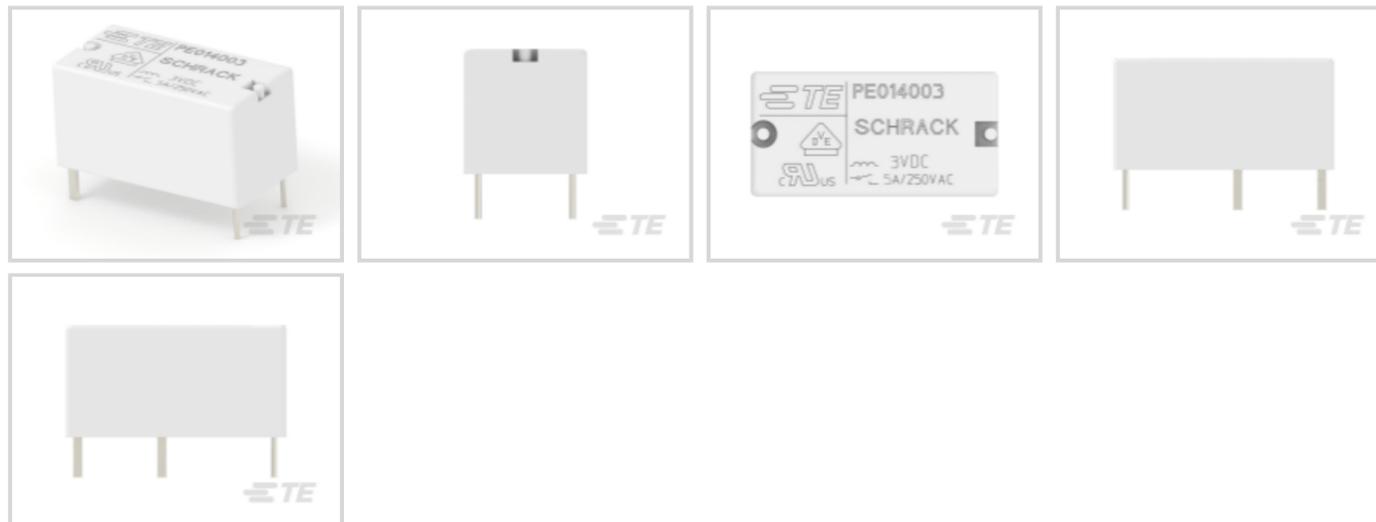
TE Internal #: 2-1419142-2

General Purpose Power Relay, DC, Monostable, 1 Form C SPDT-CO, 5 A Contact Rating, 3 VDC Coil Voltage, SCHRACK Miniature PCB Relay PE bistable

[View on TE.com >](#)



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: **5 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	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	45 $\Omega$
Insulation Initial Resistance	10000000 M $\Omega$
Contact Current Rating	5 A



Coil Voltage Rating	3 VDC
Contact Voltage Rating	250 VAC
Coil Power Rating DC	.2 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
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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	3.2 mm[.126 in]
Insulation Creepage Between Contact & Coil	4 mm[.157 in]
Product Width	10 mm[.393 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
Current Type	DC
Coil Magnetic System	Monostable

### Packaging Features

Packaging Method	Carton, Tube
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### Other



Coil Power Rating Class	.15 – .2 W
Contact Current Class	16 A
Environmental Ambient Temperature Class	70 – 85 °C
Height Class (Mechanical)	9 – 10 mm
Length Class (Mechanical)	16 – 20 mm
Width Class (Mechanical)	8 – 10 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: JUNE 2024 (241) 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



TE Part # 1393219-3  
PE014005

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



DC Relays(30)



Electromechanical Relays(30)

### Customers Also Bought



TE Part #1-2176339-3  
CRGCO 0603 100R 1%



TE Part #60888-2  
058 PIN REC 26-22 .010GPPHBZ



TE Part #338068-4  
MICRO-MATCH FTE, 4P



TE Part #1-2176339-6  
CRGCO 0603 180R 1%



TE Part #2-2176326-1  
CRGP 0603 470R 1%



TE Part #5177986-5  
0.8FH,P05H.5,120,08/Sn,TR,SC



TE Part #2-2176326-2  
CRGP 0603 560R 1%



TE Part #8-1622826-8  
CRG0402 1% 20R



TE Part #1676194-2  
RN 0805 150R 0.1% 10PPM 1KRL



TE Part #5177985-1  
0.8FH,R05H.5,040,08/Sn,TR,SC



## Documents

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1419142-2\\_C2.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1419142-2\\_C2.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2-1419142-2\\_C2.2d\\_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](#)

English

### Product Specifications

[Definitions General Purpose Relays](#)

English

### Agency Approvals

[VDE Certificate](#)

English