

2-1419142-2 ✓ ACTIVE

SCHRACK | SCHRACK Miniature PCB Relay PE bistable

TE Internal #: 2-1419142-2

Power Relays, Standard, Monostable, 200 mW Coil Power Rating

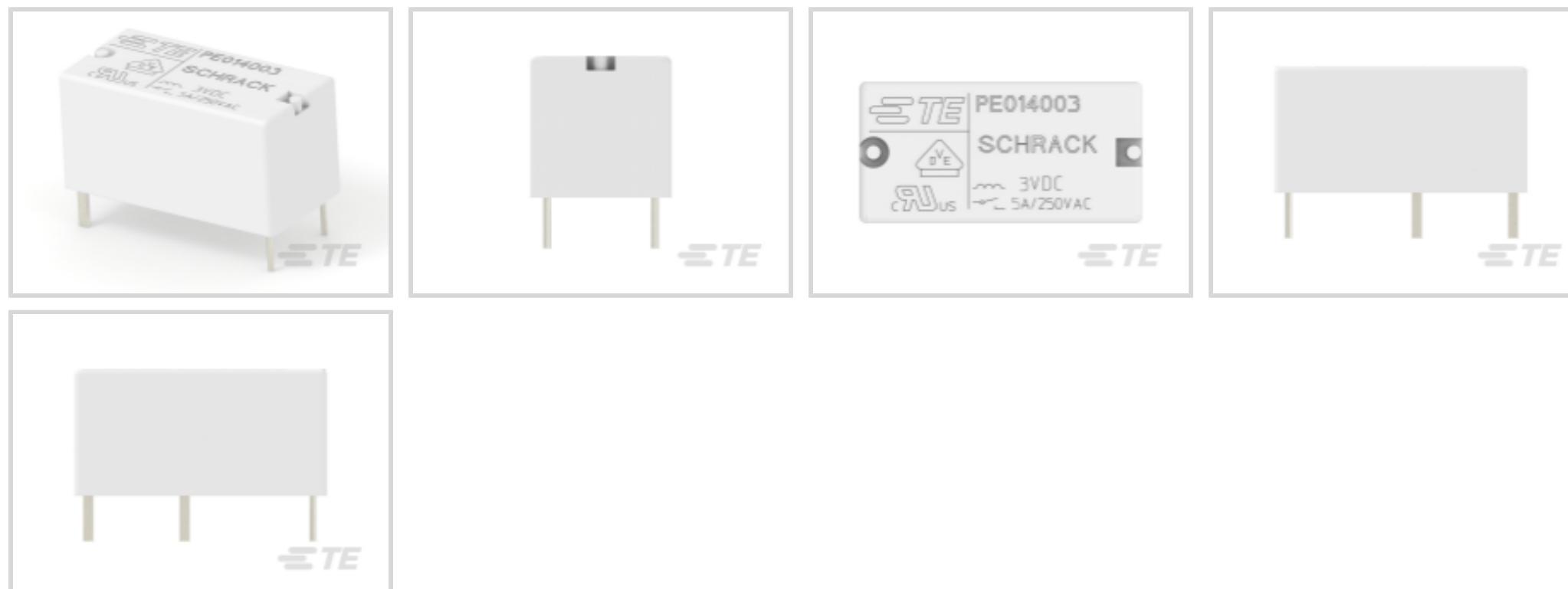
DC, 45 Ω Coil Resistance, 3 VDC Coil Voltage, SCHRACK Miniature

PCB Relay PE bistable

[View on TE.com >](#)



Relays & Contactors > Relays > Power Relays



Relay Type: **Standard**

Coil Magnetic System: **Monostable**

Coil Power Rating DC: **200 mW**

Coil Resistance: **45 Ω**

Coil Voltage Rating: **3 VDC**

## Features

### Product Type Features

Relay Type	Standard
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### Configuration Features

Insulation Special Features	Tracking Index of Relay Base PTI250
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Contact Arrangement	1 Form C (CO)
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Contact Number of Poles	1
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### Electrical Characteristics

Insulation Initial Dielectric Between Open Contacts	1000 Vrms
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Contact Limiting Making Current	5 A
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Contact Limiting Short-Time Current	5 A
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Contact Limiting Continuous Current	5 A
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Insulation Initial Dielectric Between Contacts & Coil	4000 Vrms
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Insulation Initial Resistance	10000000 MΩ
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Contact Limiting Breaking Current	5 A
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Coil Power Rating DC	200 mW
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Coil Resistance	45 Ω
Coil Voltage Rating	3 VDC
Contact Current Rating	5 A
Contact Switching Voltage (Max)	400 VAC
Contact Voltage Rating	250 VAC

#### Body Features

Product Weight	5 g [.1764 oz]
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#### Contact Features

Contact Material	AgNi90/10
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#### Termination Features

Relay Connection Type	PCB Termination
Terminal Configuration	Solder Pins

#### Mechanical Attachment

Product Mount Type	Printed Circuit Board
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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

Environmental Ambient Temperature (Max)	85 °C [185 °F]
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#### Operation/Application

Actuating System	DC
Solder Process	Wave Solder
Coil Magnetic System	Monostable

#### Packaging Features

Packaging Method	Carton, Tube
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#### Other

Length Class (Mechanical)	16 - 20 mm
Insulation Initial Dielectric Between Coil & Contact Class	3500 - 4000 V

Environmental Ambient Temperature Class	70 - 85 °C
Insulation Creepage Class	3 - 5.5 mm
Insulation Clearance Class	2.5 - 4 mm
Height Class (Mechanical)	9 - 10 mm
Coil Power Rating Class	150 - 200 mW
Width Class (Mechanical)	8 - 10 mm
Contact Current Class	16 A

## Product Compliance

For compliance documentation, visit the product page on [TE.com](http://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 2024 (240) Candidate List Declared Against: JAN 2024 (240) 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

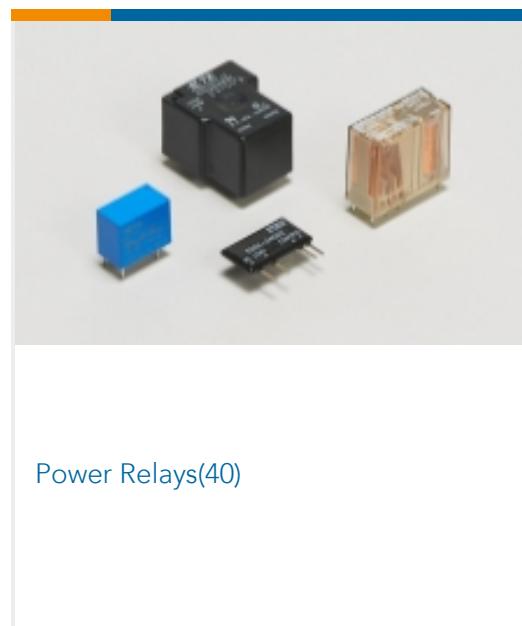
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight 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



Power Relays(40)

## Customers Also Bought



TE Part # 5177986-1  
 Free Height Plug Connector: Board-Board, Vertical, 40, 0.8mm



TE Part # 2-1879216-5  
 CPF 0402 90K9 0.1% 25PPM 1K RL



TE Part # 2-1761608-3  
 IDC LOW PRO HDR 10P VERT SHT L



TE Part # 8-1879026-9  
 YR1 0.1% 499K



TE Part # 2331381-1  
 DET SW5.7X4.0X2.0 GW HORZ. NCH AG RL



TE Part # 1-2176369-2  
 RQ 0603 52R3 0.1% 10PPM 5K RL



TE Part # 2176635-8  
 3627 322515 22UH 10%



TE Part # BAT-HLD-001-THM  
 Battery Holder 2032 2025 THM Bulk Pack



TE Part # CSH-SGFB-200-UFFR  
 SMA to U.FL/MHF1 200mm 1.32 OD

## 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