2-1419142-2 ✔ ACTIVE

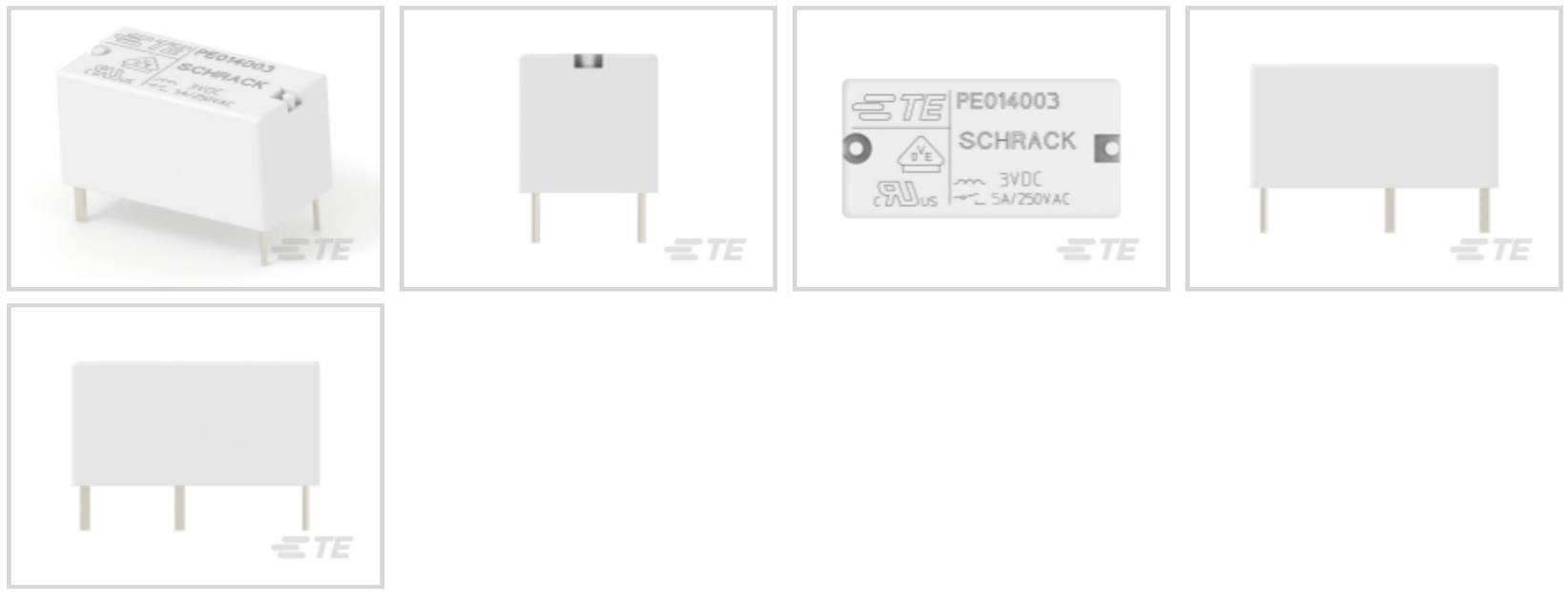
SCHRACK | SCHRACK Miniature PCB Relay PE bistable

TE Internal #: 2-1419142-2

Power Relays, Standard, Monostable, DC, 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



Power Relay Type: **Standard**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating DC: **200 mW**

Coil Resistance: **45 Ω**

Coil Voltage Rating: **3 VDC**

Features

Product Type Features

Power Relay Type	Standard

Electrical Characteristics

Insulation Initial Dielectric Between Coil & Contact Class	3500 – 4000 V
Insulation Initial Dielectric Between Open Contacts	1000 Vrms
Contact Limiting Making Current	5 A
Contact Limiting Short-Time Current	5 A
Contact Limiting Continuous Current	5 A
Insulation Creepage Class	3 – 5.5 mm
Coil Power Rating Class	150 – 200 mW
Insulation Initial Dielectric Between Contacts & Coil	4000 Vrms
Insulation Initial Resistance	10000000 MΩ
Insulation Creepage Between Contact & Coil	4 mm[.157 in]
Contact Limiting Breaking Current	5 A
Coil Magnetic System	Monostable, DC

Coil Power Rating DC	200 mW
Coil Resistance	45 Ω
Coil Voltage Rating	3 VDC
Contact Switching Voltage (Max)	400 VAC
Contact Voltage Rating	250 VAC

Body Features

Insulation Special Features	Tracking Index of Relay Base PTI250
Product Weight	5 g[.1764 oz]

Contact Features

Contact Arrangement	1 Form C (CO)
Contact Current Class	16 A
Contact Current Rating (Max)	5 A
Contact Material	AgNi90/10
Contact Number of Poles	1
Relay Terminal Type	PCB-THT

Mechanical Attachment

Relay Mounting Type	Printed Circuit Board

Dimensions

Length Class (Mechanical)	16 – 20 mm
Insulation Clearance Class	2.5 – 4 mm
Height Class (Mechanical)	9 – 10 mm
Insulation Clearance Between Contact & Coil	3.2 mm[.126 in]
Width Class (Mechanical)	8 – 10 mm
Product Width	10 mm[.394 in]
Product Length	20 mm[.787 in]
Product Height	10 mm[.394 in]

Usage Conditions

Environmental Ambient Temperature Class	70 – 85 °C
Environmental Ambient Temperature (Max)	85 °C[185 °F]

Packaging Features

Packaging Method	Carton, Tube

Product Compliance

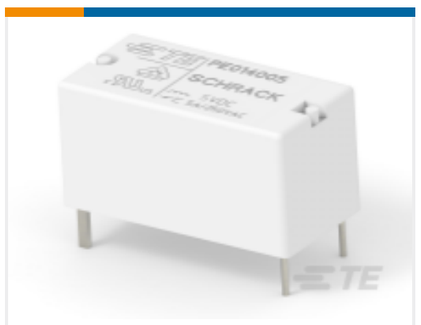
For compliance documentation, visit the product page on TE.com>

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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) 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

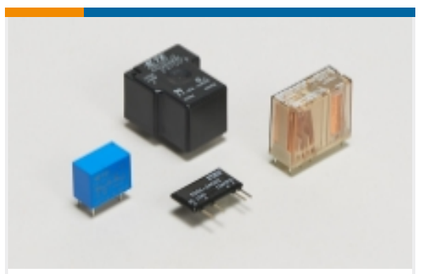
This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight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

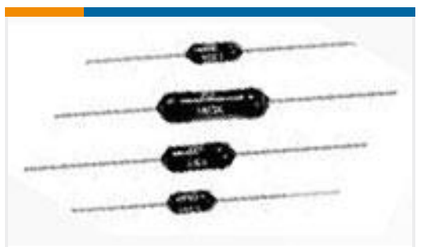
Customers Also Bought

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

TE Part #281698-3
HEADER HE14 RA 3 P

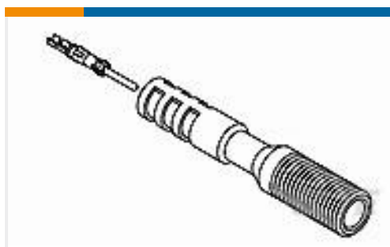
TE Part #5-1393243-9
RT424005

TE Part #1-1478979-0
SMA STR PCB SKT GSS

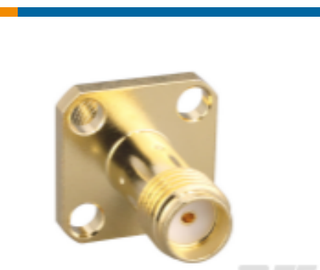


TE Part #9-1879662-7
H8 100R 0.1% 15PPM

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



TE Part #861753-1
RECEPTACLE



TE Part #ADP-SMAF-SMAF-F-G
SMA Jack to SMA Jack Flange

TE Part #1483353-3
MICRO-MATCH LEAD 10P 250MM

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

Datasheets & Catalog Pages

Miniature PCB Relay PE

English

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

VDE Certificate

English