

2-1416010-6 ✓ ACTIVE

SCHRACK | SCHRACK Miniature PCB Relay RE

TE Internal #: 2-1416010-6

SCHRACK Miniature PCB Relay RE, Power Relays, Standard, Monostable, DC, 200 mW Coil Power Rating DC, 720  $\Omega$  Coil Resistance, UL Coil Insulation Class F

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Relays, Contactors & Switches > Relays > Power Relays



Power Relay Type: **Standard**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating Class: **150 – 200 mW**

Coil Power Rating DC: **200 mW**

Coil Resistance: **720  $\Omega$**

## Features

### Product Type Features

Power Relay Type	Standard
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### Electrical Characteristics

Insulation Initial Dielectric Between Coil & Contact Class	3500 – 4000 V
Insulation Initial Dielectric Between Open Contacts	1000 Vrms
Contact Limiting Making Current	6 A
Contact Limiting Short-Time Current	6 A
Contact Limiting Continuous Current	6 A
Insulation Creepage Class	3 – 5.5 mm
Insulation Initial Dielectric Between Contacts & Coil	4000 Vrms
Insulation Initial Resistance	10000 M $\Omega$
Insulation Creepage Between Contact & Coil	4 mm[.157 in]
Contact Limiting Breaking Current	6 A
Coil Magnetic System	Monostable, DC
Coil Power Rating Class	150 – 200 mW
Coil Power Rating DC	200 mW
Coil Resistance	720 $\Omega$
Coil Special Features	UL Coil Insulation Class F
Coil Voltage Rating	12 VDC



Contact Switching Load (Min)	10mA @ 12V
Contact Switching Voltage (Max)	400 VAC
Contact Voltage Rating	250 VAC

### Body Features

Insulation Special Features	Tracking Index of Relay Base PTI250
Product Weight	6 g[.2116 oz]

### Contact Features

Contact Plating Material	Silver Nickel
Contact Arrangement	1 Form A (NO)
Contact Current Class	5 – 10 A, 16 A
Contact Current Rating (Max)	6 A
Contact Material	AgNi90/10
Contact Number of Poles	1
Relay Terminal Type	PCB-THT

### Mechanical Attachment

Relay Mounting Type	Printed Circuit Board
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### Dimensions

Length Class (Mechanical)	16 – 20 mm
Insulation Clearance Class	2.5 – 4 mm
Height Class (Mechanical)	10 – 11 mm
Insulation Clearance Between Contact & Coil	4 mm[.157 in]
Width Class (Mechanical)	8 – 10 mm
Product Width	10 mm[.394 in]
Product Length	20 mm[.787 in]
Product Height	10.6 mm[.417 in]

### Usage Conditions

Environmental Ambient Temperature Class	50 – 70 °C
Environmental Ambient Temperature (Max)	70 °C[158 °F]

### Packaging Features

Packaging Method	Box & Tube, Carton
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## Product Compliance

For compliance documentation, visit the product page on [TE.com](https://www.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 2022 (223) Candidate List Declared Against: JAN 2022 (223) 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

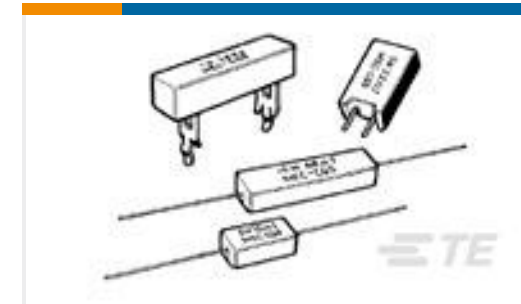
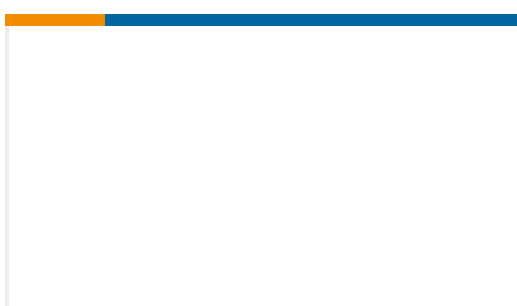


Also in the Series | **SCHRACK Miniature PCB Relay RE**



Power Relays(9)

## Customers Also Bought

TE Part #7-215464-4  
04P.MICRO-MATCH MOBTE Part #1470364-3  
1.0MM W T B RECPT,3POS HOUSINGTE Part #5-103080-6  
08 MODII HDR SRST SHRD .100CLTE Part #1623778-5  
SPS7 R68 5%TE Part #3-825433-2  
MOD 2 PINHDR 1X32P.TE Part #2205161-1  
FSN-21.5A-9TE Part #2176238-4  
CPF A 0805 15R 0.1% 25PPM 5K RLTE Part #1-6450520-8  
MBXL R/A W/GUIDE 4P+8S+6PTE Part #2208513-4  
4POS,HSD,90 REC,90 REC,CABLE ASSY,CODA

TE Part #1991246-1

## Documents

### CAD Files

[3D PDF](#)

[3D](#)

### Customer View Model

[ENG\\_CVM\\_CVM\\_2-1416010-6\\_A.2d\\_dxf.zip](#)

English

### Customer View Model

[ENG\\_CVM\\_CVM\\_2-1416010-6\\_A.3d\\_igs.zip](#)



English

### Customer View Model

[ENG\\_CVM\\_CVM\\_2-1416010-6\\_A.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

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## Datasheets & Catalog Pages

### Miniature PCB Relay RE

English

### Industrial Relays Quick Reference Guide

English

### Industrial Relays Quick Reference Guide

Japanese

### Industrial Relays Quick Reference Guide

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## Product Specifications

### Definitions, Handling, Processing, Testing and Use of Relays

English

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## Product Environmental Compliance

### Product Compliance

English

### Product Compliance

English