

2-1416010-9 ✓ ACTIVE

SCHRACK | SCHRACK Miniature Power PCB RYII

TE Internal #: 2-1416010-9

Power Relays, Standard, Monostable, DC, 257 mW Coil Power Rating DC, 14000  $\Omega$  Coil Resistance, SCHRACK Miniature Power PCB RYII

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Relays & Contactors > Relays > Power Relays



Power Relay Type: **Standard**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating DC: **257 mW**

Coil Resistance: **14000  $\Omega$**

Coil Special Features: **UL Coil Insulation Class F**

## Features

### Product Type Features

Power Relay Type	Standard
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### Electrical Characteristics

Insulation Initial Dielectric Between Coil & Contact Class	4000 V
Insulation Initial Dielectric Between Open Contacts	1000 Vrms
Contact Limiting Making Current	8 A
Contact Limiting Short-Time Current	8 A
Contact Limiting Continuous Current	8 A
Insulation Creepage Class	5.5 – 8 mm
Coil Power Rating Class	200 – 300 mW
Insulation Initial Dielectric Between Contacts & Coil	5000 Vrms
Insulation Creepage Between Contact & Coil	8 mm [.315 in]
Contact Limiting Breaking Current	8 A
Coil Magnetic System	Monostable, DC
Coil Power Rating DC	257 mW

Coil Resistance	14000 $\Omega$
Coil Special Features	UL Coil Insulation Class F
Coil Voltage Rating	60 VDC
Contact Switching Load (Min)	1mA @ 1V
Contact Switching Voltage (Max)	400 VAC
Contact Voltage Rating	250 VAC

### Body Features

Insulation Special Features	Tracking Index of Relay Base PTI250
Product Weight	8 g[.282 oz]

### Contact Features

Contact Plating Material	Gold
Contact Arrangement	1 Form C (CO)
Contact Current Class	16 A
Contact Current Rating (Max)	8 A
Contact Material	AgNi0.15
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)	25 – 30 mm
Insulation Clearance Class	5 – 8 mm
Height Class (Mechanical)	12 – 13 mm
Insulation Clearance Between Contact & Coil	8 mm[.315 in]
Width Class (Mechanical)	10 – 12 mm
Product Width	10.1 mm[.398 in]
Product Length	28.5 mm[1.122 in]
Product Height	12.3 mm[.484 in]

### Usage Conditions

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

### Packaging Features

Packaging Method

Box &amp; Tube, Tube

## 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: JUNE 2023 (235)  
Candidate List Declared Against: JAN 2023 (233)  
Does not contain REACH SVHC

Halogen Content

Not Low Halogen - contains Br or Cl &gt; 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



Also in the Series | [SCHRACK Miniature Power PCB RYII](#)



Power Relays(101)

## Customers Also Bought

TE Part #DT04-2P  
REC, 2P, GRY, NTE Part #DT06-2S  
PLG, 2P, GRY, NTE Part #W2P  
WEDGE LOCK, 2P, REC, GRN, DTTE Part #282087-1  
AMP SUPERSEAL 1.5MM,  
CONNECTOR HOUSINGTE Part #0460-202-16141  
DEUTSCH Solid ContactsTE Part #281934-2  
SINGLE WIRE SEAL

## Documents

### CAD Files

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2-1416010-9\\_D.3d\\_igs.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2-1416010-9\\_D.3d\\_stp.zip](#)

English

#### Customer View Model

[ENG\\_CVM\\_CVM\\_2-1416010-9\\_D.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 Power PCB Relay RYII

English



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**Product Specifications**

Definitions General Purpose Relays

English

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**Agency Approvals**

VDE Certificate

English