

3-1956170-2 ✓ ACTIVE

SCHRACK | SCHRACK Miniature Power PCB RYII

TE Internal #: 3-1956170-2

Power Relays, Standard, Monostable, DC, 245 mW Coil Power

Rating DC, 2350 Ω Coil Resistance, SCHRACK Miniature Power PCB

RYII

[View on TE.com >](#)



Relays, Contactors & Switches > Relays > Power Relays



Power Relay Type: **Standard**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating DC: **245 mW**

Coil Resistance: **2350 Ω**

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

Features

Product Type Features

Power Relay Type	Standard
------------------	----------

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	245 mW
Coil Resistance	2350 Ω
Coil Special Features	UL Coil Insulation Class F
Coil Voltage Rating	24 VDC
Contact Switching Load (Min)	100mA @ 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	8 g[.282 oz]
----------------	--------------

Contact Features

Contact Arrangement	1 Form C (CO)
---------------------	---------------

Contact Current Class	5 – 10 A, 16 A
-----------------------	----------------

Contact Current Rating (Max)	8 A
------------------------------	-----

Contact Material	AgSnO ₂
------------------	--------------------

Contact Number of Poles	1
-------------------------	---

Relay Terminal Type	PCB-THT
---------------------	---------

Mechanical Attachment

Relay Mounting Type	Printed Circuit Board
---------------------	-----------------------

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	Reel
------------------	------

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: JUNE 2023 (235)

SVHC > Threshold:

Methanone, (diphenylphosphinyl)(2,4,6-trimethylphenyl)- (1% in Component Part)

Article Safe Usage Statements:

Wash thoroughly after handling. Do not handle until all safety precautions have been read and understood. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

Halogen Content

Not Low Halogen - contains Br or Cl > 900 ppm.

Solder Process Capability

Pin-in-Paste 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>

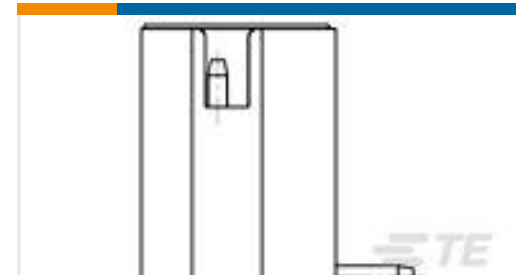
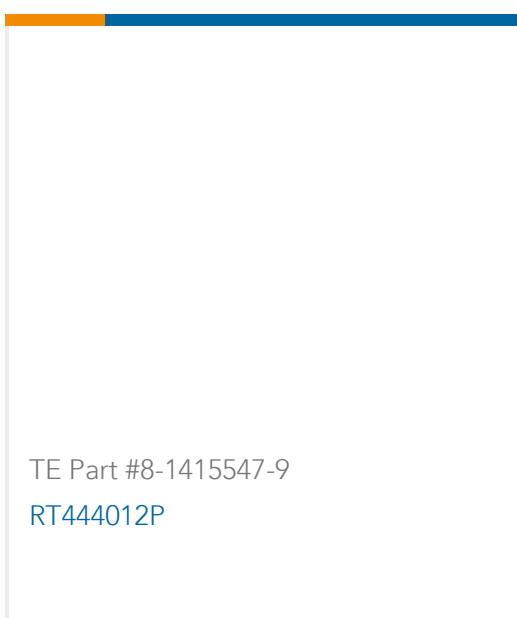
Compatible Parts

Also in the Series | **SCHRACK Miniature Power PCB RYII**



Power Relays(101)

Customers Also Bought

TE Part #825457-4
MOD 2 PINHDR 2X04P.TE Part #1445022-2
MICRO MNL RECEPT HSG SINGLE RTE Part #1393240-6
RT314615TE Part #1775317-7
HPL.,2.5MM PITCH,V/T,SMT TYPE,7
POSTE Part #203546-E
MJIM IM 1X1 S 87 * X R THRU * *
H3D01 *TE Part #3-1956170-0
RY213005RTE Part #1440004
PCH-112D2,000TE Part #6-1393223-9
V23061A1006A302X133TE Part #8-1415547-9
RT444012P

Documents

CAD Files

Customer View Model

[ENG_CVM_CVM_3-1956170-2_B.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-1956170-2_B.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_3-1956170-2_B.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

[Product Specifications](#)

[Definitions General Purpose Relays](#)

English

[Agency Approvals](#)

[VDE Certificate](#)

English