RTH14012 ✔ ACTIVE

SCHRACK | SCHRACK Power PCB Relay RT1

TE Part # 8-1415006-1

TE Internal #: RTH14012

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Relays, Contactors & Switches > Relays > Power Relays



Power Relay Type: **Standard**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating Class: **300 – 400 mW**

Coil Power Rating DC: **400 mW**

Coil Resistance: **360 Ω**

Features

Product Type Features

Power Relay Type	Standard

Electrical Characteristics

Insulation Initial Dielectric Between Coil & Contact Class	4000 – 5000 V
Insulation Initial Dielectric Between Open Contacts	1000 Vrms
Contact Limiting Making Current	30 A
Insulation Creepage Class	8 mm
Contact Limiting Continuous Current	16 A
Insulation Initial Dielectric Between Contacts & Coil	5000 Vrms
Insulation Creepage Between Contact & Coil	10 mm[.394 in]
Contact Limiting Breaking Current	16 A
Coil Magnetic System	Monostable, DC
Coil Power Rating Class	300 – 400 mW
Coil Power Rating DC	400 mW
Coil Resistance	360 Ω
Coil Special Features	UL Coil Insulation Class F
Coil Voltage Rating	12 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	14 g[.494 oz]

Contact Features

Contact Arrangement	1 Form C (CO)
Contact Current Class	10 – 20 A, 16 A
Contact Current Rating (Max)	16 A
Contact Material	AgNi90/10
Contact Number of Poles	1
Terminal Type	PCB-THT

Mechanical Attachment

Relay Mounting Type	Printed Circuit Board

Dimensions

Length Class (Mechanical)	25 – 30 mm
Insulation Clearance Class	8 mm
Height Class (Mechanical)	15 – 16 mm
Insulation Clearance Between Contact & Coil	10 mm[.394 in]
Width Class (Mechanical)	12 – 16 mm
Product Width	12.7 mm[.5 in]
Product Length	29 mm[1.142 in]
Product Height	15.7 mm[.618 in]

Usage Conditions

Environmental Ambient Temperature (Max)	105 °C[221 °F]
Environmental Category of Protection	RTII

Packaging Features

Packaging Method	Carton, Tube

Product Compliance

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

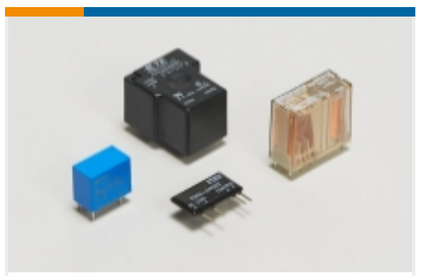
EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2019 (197)

	Candidate List Declared Against: JAN 2018 (181)
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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

Also in the Series | SCHRACK Power PCB Relay RT1



Power Relays(218)

Customers Also Bought



TE Part #6-1393243-2
RT424009



TE Part #1-1437565-8
FSM1LPATR=TACT SWITCH 6X6MIL S



TE Part #1-1825027-4
FSMRA5JH04=R/A,TACT PB SW,160G



TE Part #1-2295018-2
USB TYPE C, REC OFFSET 0.65MM DUAL SMT



TE Part #3-1625890-6
2W SM M/OX 5% 27K



TE Part #1-1625892-2
3W SM M/OX 5% 12K



TE Part #1825255-1
MHS12204=SPDT SL SW VERT AG



TE Part #1571634-2
TACT,SMT,SOFT ACTUATOR,T&R

Documents

CAD Files

Customer View Model
ENG_CVM_CVM_8-1415006-1_C.2d_dxf.zip
English

3D PDF
3D

Customer View Model
ENG_CVM_CVM_8-1415006-1_C.3d_igs.zip
English

Customer View Model
ENG_CVM_CVM_8-1415006-1_C.3d_stp.zip
English

Datasheets & Catalog Pages

Power PCB Relay RTH 105C 16A
English

Industrial Relays Quick Reference Guide
English

Industrial Relays Quick Reference Guide
Japanese

Industrial Relays Quick Reference Guide

Product Specifications

Definitions Relays
English

Product Environmental Compliance

TE Material Declaration
English

Agency Approvals

VDE Certificate
English