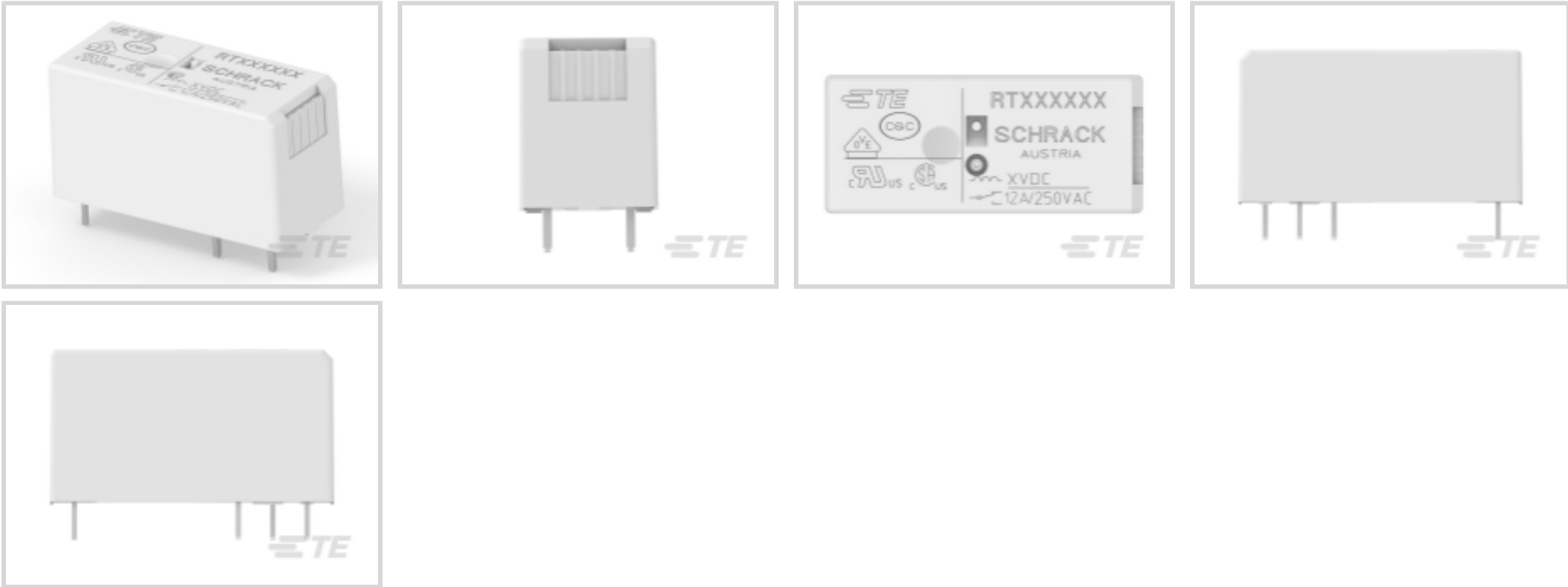




Relays & Contactors > Electromechanical Relays



Relay & Contactor Type: **General Purpose Power Relay**

Current Type: **DC**

Coil Magnetic System: **Monostable**

Contact Arrangement: **1 Form C SPDT-CO**

Contact Current Rating: **12 A**

Features

Product Type Features

|                        |                             |
|------------------------|-----------------------------|
| Relay & Contactor Type | General Purpose Power Relay |
|------------------------|-----------------------------|

Configuration Features

|                         |                            |
|-------------------------|----------------------------|
| Contact Number of Poles | 1                          |
| Coil Special Features   | UL Coil Insulation Class F |
| Contact Arrangement     | 1 Form C SPDT-CO           |

Electrical Characteristics

|                                                     |           |
|-----------------------------------------------------|-----------|
| Contact Limiting Short-Time Current                 | 12 A      |
| Contact Limiting Making Current                     | 25 A      |
| Contact Limiting Continuous Current                 | 12 A      |
| Contact Limiting Breaking Current                   | 12 A      |
| Insulation Initial Dielectric Between Open Contacts | 1000 Vrms |
| Contact Switching Voltage (Max)                     | 400 VAC   |
| Coil Resistance                                     | 200 Ω     |
| Contact Current Rating                              | 12 A      |



|                                                       |           |
|-------------------------------------------------------|-----------|
| Coil Voltage Rating                                   | 9 VDC     |
| Contact Voltage Rating                                | 250 VAC   |
| Coil Power Rating DC                                  | .4 W      |
| Insulation Initial Dielectric Between Contacts & Coil | 5000 Vrms |

Body Features

|                |                                         |
|----------------|-----------------------------------------|
| Product Weight | 14 g[.494 oz]                           |
| Enclosure Type | Flux Resistant Automatic Solder Capable |

Contact Features

|                  |           |
|------------------|-----------|
| Contact Material | AgNi90/10 |
|------------------|-----------|

Termination Features

|                                    |             |
|------------------------------------|-------------|
| Main Termination & Connection Type | Solder Pins |
| Coil Termination & Connection Type | Solder Pins |

Mechanical Attachment

|                    |             |
|--------------------|-------------|
| Product Mount Type | Board Mount |
|--------------------|-------------|

Dimensions

|                                             |                  |
|---------------------------------------------|------------------|
| Insulation Clearance Between Contact & Coil | 10 mm[.394 in]   |
| Insulation Creepage Between Contact & Coil  | 10 mm[.394 in]   |
| Product Width                               | 12.7 mm[.5 in]   |
| Product Length                              | 29 mm[1.14 in]   |
| Product Height                              | 15.7 mm[.618 in] |

Usage Conditions

|                                         |                           |
|-----------------------------------------|---------------------------|
| Operating Temperature Range             | -40 – 85 °C[-40 – 185 °F] |
| Environmental Category of Protection    | RTII                      |
| Environmental Ambient Temperature (Max) | 85 °C[185 °F]             |

Operation/Application

|                      |                     |
|----------------------|---------------------|
| Solder Process       | Wave Solder Capable |
| Current Type         | DC                  |
| Coil Magnetic System | Monostable          |

Packaging Features

|                  |                    |
|------------------|--------------------|
| Packaging Method | Box & Tube, Carton |
|------------------|--------------------|

Other

|  |  |
|--|--|
|  |  |
|--|--|



|                                         |            |
|-----------------------------------------|------------|
| Coil Power Rating Class                 | .3 – .4 W  |
| Contact Current Class                   | 16 A       |
| Environmental Ambient Temperature Class | 70 – 85 °C |
| Height Class (Mechanical)               | 15 – 16 mm |
| Length Class (Mechanical)               | 25 – 30 mm |
| Width Class (Mechanical)                | 12 – 16 mm |

Product Compliance

For compliance documentation, visit the product page on [TE.com](#)>

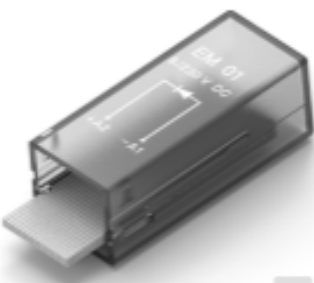
|                                               |                                                                                                                               |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 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 2025 (247)<br>Candidate List Declared Against: JAN 2025 (247)<br>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

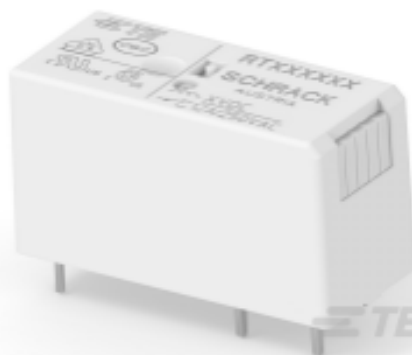




TE Part # 1415037-1  
PTMT00LO



TE Part # 1415899-9  
RZ01-1C4-D009



TE Part # 9-1419143-5  
RT174009



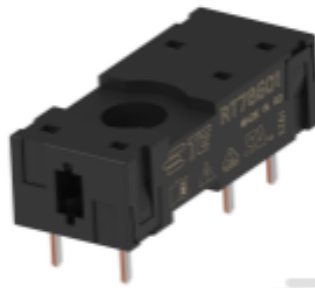
TE Part # 8-1415035-1  
RT78724



TE Part # 9-1415036-1  
PTMT00A0



TE Part # 2022103-1  
RT17017



TE Part # 1860990-1  
RT78601, RELAY SOCKET PCB 3.5MM

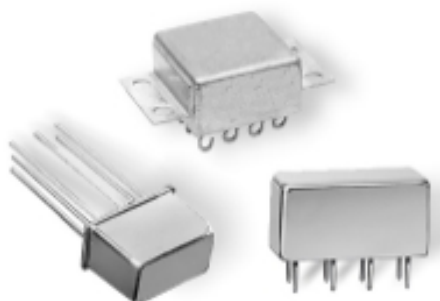


TE Part # 1415540-8  
RT28816

Also in the Series | **SCHRACK Power PCB Relay RT1**



AC Relays(31)



DC Relays(159)



Electromechanical Relays(190)

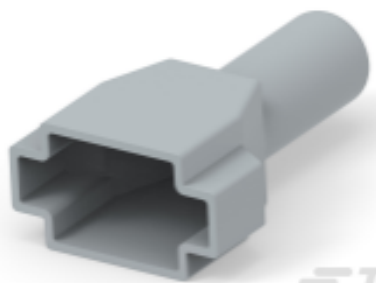
Customers Also Bought



TE Part #5-160490-2  
187 FASTON REC 20-16 AWG TPBR



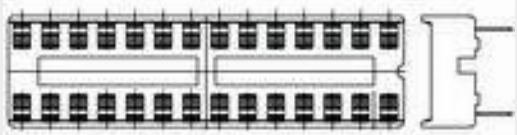
TE Part #420356-000  
RMW-35/12-1200/ADH-0



TE Part #DT8S-BT  
BOOT, 8P, PLG, ST, GRY



TE Part #1393258-3  
V23047-A1009-A501



TE Part #1-2199298-2  
8P,DIP SKT,300 CL,LDR,PB FREE



TE Part #7-1676913-1  
YR1 0.1% 2K26



TE Part #5-2158000-6  
RZ0H-1A4-D024-EX1



TE Part #282192-1  
SPLASH PROOF CONN. W.S.L.



TE Part #6-1768048-2  
TKM150-N



TE Part #8-1415053-1  
SR4M4012

Documents

CAD Files

Customer View Model

ENG\_CVM\_CVM\_1393239-9\_F.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1393239-9\_F.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_CVM\_1393239-9\_F.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

Power PCB Relay RT1

English

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

VDE Certificate

English