



Relays & Contactors > Electromechanical Relays > PCB Power Relay: 16 Amp, Inrush



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

Current Type: **DC**

Coil Magnetic System: **Monostable**

Contact Arrangement: **1 Form A SPST-NO**

Contact Current Rating: **16 A**

[All PCB Power Relay: 16 Amp, Inrush \(17\)](#)

Features

Product Type Features

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

Configuration Features

|                          |                            |
|--------------------------|----------------------------|
| Contact Special Features | W Pre-Make Contact         |
| Contact Number of Poles  | 1                          |
| Coil Special Features    | UL Coil Insulation Class F |
| Contact Arrangement      | 1 Form A SPST-NO           |

Electrical Characteristics

|                                                     |           |
|-----------------------------------------------------|-----------|
| Contact Limiting Making Current                     | 120 A     |
| Contact Limiting Continuous Current                 | 20 A      |
| Contact Limiting Breaking Current                   | 16 A      |
| Insulation Initial Dielectric Between Open Contacts | 1250 Vrms |
| Contact Switching Voltage (Max)                     | 400 VAC   |



|                                                       |           |
|-------------------------------------------------------|-----------|
| Coil Resistance                                       | 62 Ω      |
| Contact Current Rating                                | 16 A      |
| Coil Voltage Rating                                   | 5 VDC     |
| Contact Voltage Rating                                | 250 VAC   |
| Coil Power Rating DC                                  | .403 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 | AgSnO2 |
|------------------|--------|

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                              | 16 mm[.629 in] |

Usage Conditions

|                                         |                            |
|-----------------------------------------|----------------------------|
| Operating Temperature Range             | -40 – 105 °C[-40 – 221 °F] |
| Environmental Category of Protection    | RTII                       |
| Environmental Ambient Temperature (Max) | 105 °C[221 °F]             |

Operation/Application

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

Packaging Features

|                  |              |
|------------------|--------------|
| Packaging Method | Carton, Tube |
|------------------|--------------|



Other

|                                         |            |
|-----------------------------------------|------------|
| Coil Power Rating Class                 | .4 – .5 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 # 8-2158000-8  
RZ03-1AL-D005-R

TE Part # 1-1415898-9  
RTS3L012

Also in the Series

SCHRACK Power PCB Relay RT Inrush Power

DC Relays(33)

Electromechanical Relays(33)

Customers Also Bought

TE Part #CAT-SCH691-R997  
PCB Power Relay: 12-16 Amp, Monostable

TE Part #1-1415898-4  
RTS3L024

TE Part #1393236-1  
V23092A1005A201=SNR

TE Part #7-1393222-2  
V23061B1002A301=MINISTARKSTROM

TE Part #1393230-9  
RP3SL012

TE Part #3-2176349-7  
CRGCQ 2512 10K 1%

TE Part #4-1462037-6  
IM06JR=IM RELAY 140mW 12V

TE Part #4-1393224-9  
RY211024

TE Part #1982295-2  
ELCON MINI 2P RA HEADER,W/O CODING



Documents

CAD Files

Customer View Model

ENG\_CVM\_CVM\_1-1415898-8\_F.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-1415898-8\_F.3d\_stp.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-1415898-8\_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 RT Inrush Power

English

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

VDE Certificate

English