

T9AS1D17-5

✓ ACTIVE

Potter & Brumfield | Potter & Brumfield T9A

TE Internal #: 1-2071229-4

General Purpose Power Relay, DC, Monostable, 1 Form A SPST-NO, 30 A Contact Rating, 5 VDC Coil Voltage, Potter & Brumfield T9A

[View on TE.com >](#)



Relays & Contactors > Electromechanical Relays > PCB Power Relay: 30 Amp, Monostable DC



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

Current Type: **DC**

Coil Magnetic System: **Monostable**

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

Contact Current Rating: **30 A**

[All PCB Power Relay: 30 Amp, Monostable DC \(57\)](#)

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 A SPST-NO           |

Electrical Characteristics

|                                                         |           |
|---------------------------------------------------------|-----------|
| Contact Limiting Making Current                         | 30 A      |
| Contact Limiting Continuous Current                     | 30 A      |
| Contact Limiting Breaking Current                       | 30 A      |
| Insulation Initial Dielectric Between Open Contacts     | 1500 Vrms |
| Insulation Initial Dielectric Between Adjacent Contacts | 1500 Vrms |
| Contact Switching Voltage (Max)                         | 277 VAC   |



|                                                       |             |
|-------------------------------------------------------|-------------|
| Contact Switching Load (Min)                          | 1000mA @ 5V |
| Coil Resistance                                       | 25 Ω        |
| Contact Current Rating                                | 30 A        |
| Coil Voltage Rating                                   | 5 VDC       |
| Contact Voltage Rating                                | 277 VAC     |
| Coil Power Rating DC                                  | 1 W         |
| Insulation Initial Dielectric Between Contacts & Coil | 2500 Vrms   |

Body Features

|                |                                                    |
|----------------|----------------------------------------------------|
| Enclosure Type | Flux Resistant Automatic Solder Capable & Washable |
|----------------|----------------------------------------------------|

Contact Features

|                  |                      |
|------------------|----------------------|
| Contact Material | Silver Cadmium Oxide |
|------------------|----------------------|

Termination Features

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

Mechanical Attachment

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

Dimensions

|                                            |                   |
|--------------------------------------------|-------------------|
| Insulation Creepage Between Contact & Coil | 6.36 mm[.25 in]   |
| Product Width                              | 27.43 mm[1.08 in] |
| Product Length                             | 32.51 mm[1.28 in] |
| Product Height                             | 20.4 mm[.803 in]  |

Usage Conditions

|                                         |                           |
|-----------------------------------------|---------------------------|
| Operating Temperature Range             | -55 – 85 °C[-67 – 185 °F] |
| 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 & Tray |
|------------------|------------|

Other



|                         |                |
|-------------------------|----------------|
| Coil Power Rating Class | 1 W[.5 – 1 VA] |
| Contact Current Class   | 20 – 30 A      |

Product Compliance

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

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive 2011/65/EU                  | Compliant with Exemptions                                                                                                                                                                                                                                                                                                                                                                                                                           |
| EU ELV Directive 2000/53/EC                   | Not Yet Reviewed                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 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>SVHC > Threshold:<br>Cadmium oxide (4.52% in 4735445783)<br><b>Article Safe Usage Statements:</b><br>Use personal protective equipment as required. Do not eat, drink or smoke when using this product. 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                     | Not applicable for solder process capability                                                                                                                                                                                                                                                                                                                                                                                                        |

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

Potter & Brumfield T9A

DC Relays(57)

Electromechanical Relays(57)

Customers Also Bought

TE Part #1-1393194-9  
T77V1D10-12

TE Part #350429-1  
03P UMNL PIN HDR ASSY NATL

TE Part #6-1393243-8  
RT424024

TE Part #194010-1  
PIN ASSY..070

TE Part #641963-1  
02P UMNL PIN HDR ASSY POL NATL

Documents

- CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1-2071229-4\_C.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-2071229-4\_C.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1-2071229-4\_C.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages



T9A Relay Datasheet

English

Agency Approvals

UL

English