

#### Potter & Brumfield | Potter & Brumfield T9A

TE Internal #: 2-1393210-2

Power Relays, Standard, Monostable, 1000 mW Coil Power Rating DC, 81  $\Omega$  Coil Resistance, UL Coil Insulation Class F, Potter &

Brumfield T9A

View on TE.com >

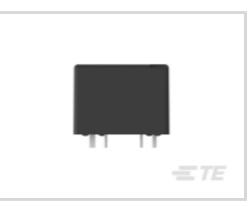


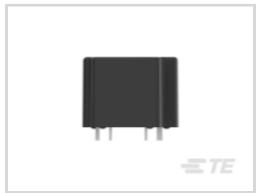
Relays & Contactors > Relays > Power Relays > PCB Power Relay: 30 Amp, Monostable DC











Relay Type: Standard

Coil Magnetic System: Monostable
Coil Power Rating DC: 1000 mW

Coil Resistance: 81  $\Omega$ 

Coil Special Features: UL Coil Insulation Class F

All PCB Power Relay: 30 Amp, Monostable DC (67)

Insulation Initial Dielectric Between Open Contacts

Contact Limiting Short-Time Current

Coil Power Rating

## **Features**

## Product Type Features

Relay Type	Standard
Configuration Features	
Insulation Special Features	6000V Initial Surge Withstand Voltage between Contacts & Coil
Coil Special Features	UL Coil Insulation Class F
Contact Arrangement	1 Form A (NO)
Contact Number of Poles	1
Electrical Characteristics	
Output Current Rating	0 - 30 Arms
Coil Current	.111 A

1500 Vrms

30 A

1 W



Insulation Initial Dielectric Between Adjacent Contacts	1500 Vrms
Insulation Initial Resistance	1000 ΜΩ
Insulation Initial Dielectric Between Contacts & Coil	2500 Vrms
Output Voltage (Max)	240 V
Contact Limiting Making Current	30 A
Contact Limiting Continuous Current	30 A
Output Voltage Rating (AC Relays)	0 - 240 Vrms
Output Current (Min)	1 A
Contact Limiting Breaking Current	30 A
Coil Power Rating DC	1000 mW
Coil Resistance	81 Ω
Coil Voltage Rating	9 VDC
Contact Current Rating	30 A
Contact Switching Load (Min)	1000mA @ 5V
Contact Switching Voltage (Max)	277 VAC
Contact Voltage Rating	277 VAC
Body Features	
Enclosure Type	Sealed
Primary Product Color	Black
Product Weight	26 g[.918 oz]
Contact Features	
Contact Plating Material	AgCdO
Contact Material	AgCdO
Termination Features	
Relay Connection Type	PCB Termination
Terminal Configuration	Solder Pins
Mechanical Attachment	
Product Mount Type	Printed Circuit Board
Dimensions	
Insulation Clearance Between Contact & Coil	3.18 mm[.125 in]
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	
Environmental Ambient Temperature (Max)	85 °C[185 °F]
Operating Temperature Range	-55 - 85 °C[-67 - 185 °F]
Operation/Application	
Actuating System	DC
Solder Process	Wave Solder
Output Switching	Random
Output Current Type	AC
Coil Magnetic System	Monostable
Packaging Features	
Packaging Features Packaging Method	Box & Tray, Bundle
	Box & Tray, Bundle
Packaging Method	Box & Tray, Bundle  30 - 35 mm
Packaging Method  Other	
Packaging Method  Other  Length Class (Mechanical)	30 - 35 mm
Packaging Method  Other  Length Class (Mechanical)  Insulation Initial Dielectric Between Coil & Contact Class	30 - 35 mm 1500 - 2500 V
Packaging Method  Other  Length Class (Mechanical)  Insulation Initial Dielectric Between Coil & Contact Class  Insulation Creepage Class	30 - 35 mm 1500 - 2500 V 5.5 - 8 mm
Packaging Method  Other  Length Class (Mechanical)  Insulation Initial Dielectric Between Coil & Contact Class  Insulation Creepage Class  Height Class (Mechanical)	30 - 35 mm 1500 - 2500 V 5.5 - 8 mm 25 - 30 mm
Packaging Method  Other  Length Class (Mechanical)  Insulation Initial Dielectric Between Coil & Contact Class  Insulation Creepage Class  Height Class (Mechanical)  Coil Power Rating Class	30 - 35 mm 1500 - 2500 V 5.5 - 8 mm 25 - 30 mm 800 - 1000 mW

# **Product Compliance**

Contact Current Class

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	Compliant
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 2024 (240) Candidate List Declared Against: JAN 2024 (240) SVHC > Threshold:

16 A



Cadmium oxide (3.18% in Component Part)

Article Safe Usage Statements:

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 Wave solder capable to 260°C

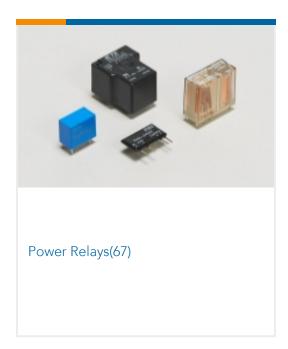
Product Compliance Disclaimer

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 | Potter & Brumfield T9A



# **Customers Also Bought**





TE Part # 788157-2 One-Piece Connector, Sealed, CPC Series 1













#### **Documents**

#### **CAD Files**

**Customer View Model** 

ENG\_CVM\_CVM\_2-1393210-2\_L1.3d\_stp.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2-1393210-2\_L1.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_2-1393210-2\_L1.3d\_igs.zip

English

3D PDF

3D

By downloading the CAD file I accept and agree to the **Terms and Conditions**of use.

## Datasheets & Catalog Pages

T9A Relay Datasheet

English

## **Product Specifications**

**Definitions General Purpose Relays** 

English

## **Agency Approvals**

**Agency Approval Document** 

English