# **T9AV5L22-24** ✓ ACTIVE

### Potter & Brumfield | Potter & Brumfield T9A

TE Internal #: 4-1419104-3

Power Relays, Standard, Monostable, DC, 900 mW Coil Power Rating DC, 660  $\Omega$  Coil Resistance, UL Coil Insulation Class F, Potter

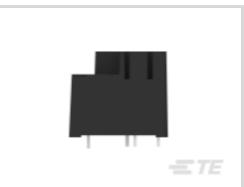
& Brumfield T9A

View on TE.com >



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











Power Relay Type: Standard

Coil Magnetic System: Monostable, DC

Coil Power Rating DC: 900 mW

Coil Resistance:  $660 \Omega$ 

Coil Special Features: UL Coil Insulation Class F

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

### **Features**

### **Product Type Features**

Enclosure Type	Sealed
Output Type	AC
Power Relay Type	Standard

## **Configuration Features**

#### **Electrical Characteristics**

Insulation Initial Dielectric Between Coil & Contact Class	1500 – 2500 V
Output Current Rating	0 – 10 Arms, 0 – 20 Arms
Actuating System	DC
Insulation Initial Dielectric Between Open Contacts	1500 Vrms
Contact Limiting Short-Time Current	20 A
Coil Power Rating	.9 W



Insulation Creepage Class	5.5 – 8 mm
Coil Power Rating Class	800 – 1000 mW
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	20 A
Insulation Creepage Between Contact & Coil	6.36 mm[.25 in]
Contact Limiting Continuous Current	20 A
Output Voltage Rating (AC Relays)	0 – 240 Vrms
Output Current (Min)	1 A
Contact Limiting Breaking Current	20 A
Coil Current	.037 A
Coil Magnetic System	Monostable, DC
Coil Power Rating DC	900 mW
Coil Resistance	660 Ω
Coil Special Features	UL Coil Insulation Class F
Coil Voltage Rating	24 VDC
Contact Switching Load (Min)	1000mA @ 5V
Contact Switching Voltage (Max)	277 VAC
Contact Voltage Rating	277 VAC
Body Features	
Insulation Special Features	6000V Initial Surge Withstand Voltage between Contacts & Coil
Product Weight	33 g[1.164 oz]
Packaging Style	Panel Mount
Case Color	Black

## **Contact Features**

Contact Plating Material	AgCdO
Switch Arrangement	(2) x 1 Form C
Contact Arrangement	1 Form C (CO)
Contact Current Class	10 – 20 A, 16 A
Contact Current Rating (Max)	20 A



Contact Material	AgCdO
Contact Number of Poles	1
Relay Terminal Type	Quick Connect
Termination Features	
Relay Termination Type	Printed Circuit Terminals
Mechanical Attachment	
Relay Mounting Type	Printed Circuit Board
Dimensions	
Length Class (Mechanical)	30 – 35 mm
Height Class (Mechanical)	25 – 30 mm
Insulation Clearance Between Contact & Coil	3.18 mm[.125 in]
Insulation Clearance Class	2.5 – 4 mm
Width Class (Mechanical)	25 – 30 mm
Product Width	27.4 mm[1.079 in]
Product Length	32.5 mm[1.281 in]
Product Height	27.9 mm[1.098 in]
Usage Conditions	
Environmental Ambient Temperature (Max)	85 °C[185 °F]
Environmental Ambient Temperature Class	70 – 85 °C
Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
Packaging Features	
Packaging Method	Box & Tray, Bundle

## **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	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: JUNE 2023 (235) Candidate List Declared Against: JAN 2021 (211) SVHC > Threshold: Cadmium oxide (10% in contact) 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**

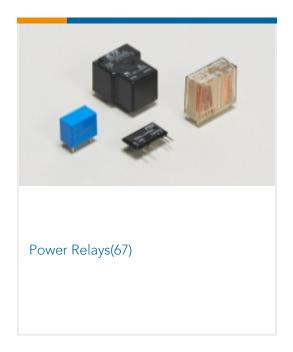








# Also in the Series | Potter & Brumfield T9A



# Customers Also Bought



















#### **Documents**

#### **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_4-1419104-3\_K.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_4-1419104-3\_K.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_4-1419104-3\_K.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

## **Product Specifications**

**Definitions General Purpose Relays** 

English

## **Agency Approvals**

Agency Approval Document

English