# **T9AP5D52-110** ✓ ACTIVE

### Potter & Brumfield | Potter & Brumfield T9A

TE Internal #: 5-1419102-5

General Purpose Power Relay, Monostable, 1 W Coil, 12100 ohm Coil Resistance, UL Coil Insulation Class F, Potter & Brumfield T9A,

Power Relays

View on TE.com >



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











Relay Type: General Purpose Power Relay

Coil Magnetic System: Monostable

Coil Power Rating DC: 1 WCoil Resistance:  $12100 \Omega$ 

Coil Special Features: UL Coil Insulation Class F

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

# **Features**

# **Product Type Features**

Relay Type	General Purpose Power Relay
Configuration Features	
Coil Special Features	UL Coil Insulation Class F
Contact Arrangement	1 Form C SPDT-CO
Contact Number of Poles	1
Electrical Characteristics	
Coil Current	.009 A
Insulation Initial Dielectric Between Open Contacts	1500 Vrms
Contact Limiting Making Current	20 A
Contact Limiting Short-Time Current	20 A
Contact Limiting Continuous Current	20 A
Insulation Initial Dielectric Between Adjacent Contacts	1500 Vrms



Insulation Initial Dielectric Between Contacts & Coil	2500 Vrms
Insulation Initial Resistance	1000 ΜΩ
Contact Limiting Breaking Current	20 A
Coil Power Rating DC	1 W
Coil Resistance	12100 Ω
Coil Voltage Rating	110 VDC
Contact Current Rating	20 A
Contact Switching Load (Min)	1000mA @ 5V
Contact Switching Voltage (Max)	277 VAC
Contact Voltage Rating	277 VAC
Body Features	
Enclosure Type	Plastic Dust Cover
Primary Product Color	Black
Product Weight	33 g[1.164 oz]
Contact Features	
Contact Plating Material	AgCdO
Contact Material	AgCdO
Termination Features	
Relay Connection Type	Terminals
Terminal Configuration	Quick Connect Terminals
Mechanical Attachment	
Product Mounting Feature Type	Flange with Mounting Slots
Product Mount Type	Panel
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	50.29 mm[1.97 in]
Product Height	27.94 mm[1.1 in]
Usage Conditions	
Environmental Category of Protection	RTI
Environmental Ambient Temperature (Max)	85 °C[185 °F]



Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
Operation/Application	
Current Type	DC
Coil Magnetic System	Monostable
Packaging Features	
Packaging Method	Bundle
Other	
Length Class (Mechanical)	30 – 35 mm
Environmental Ambient Temperature Class	70 – 85 °C
Height Class (Mechanical)	25 – 30 mm
Coil Power Rating Class	.8 – 1 W
Width Class (Mechanical)	25 – 30 mm
Contact Current Class	16 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	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 2024 (241)  Candidate List Declared Against: JUNE 2024 (241)  SVHC > Threshold:  Cadmium oxide (10% 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

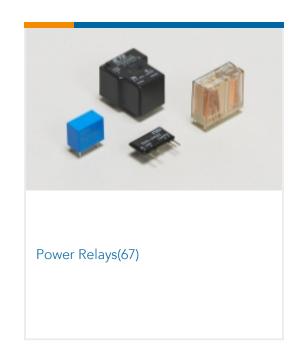








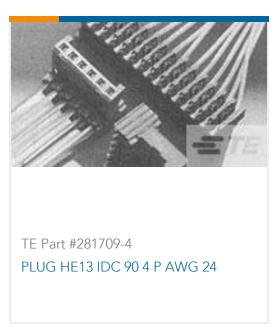
# Also in the Series | Potter & Brumfield T9A



# Customers Also Bought









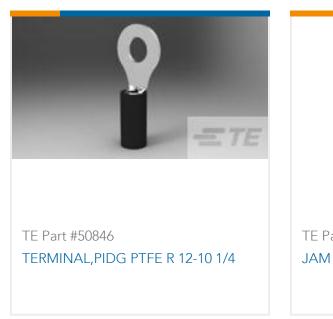














### **Documents**

#### **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_5-1419102-5\_K.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_5-1419102-5\_K.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_5-1419102-5\_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