

### Potter & Brumfield | Potter & Brumfield T92

TE Internal #: 1-1393212-1

Power Relays, Standard, Monostable, 1700 mW Coil Power Rating DC, 1390  $\Omega$  Coil Resistance, UL Coil Insulation Class F, Potter &

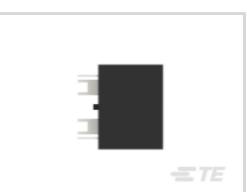
Brumfield T92

View on TE.com >



Relays & Contactors > Relays > Power Relays > PCB Power Relay: 40 Amp, Monostable











Relay Type: Standard

Coil Magnetic System: Monostable
Coil Power Rating DC: 1700 mW

Coil Resistance: 1390  $\Omega$ 

Coil Special Features: UL Coil Insulation Class F

All PCB Power Relay: 40 Amp, Monostable (66)

Insulation Initial Dielectric Between Open Contacts

Insulation Initial Dielectric Between Adjacent Contacts

### **Features**

### **Product Type Features**

Relay Type	Standard
Configuration Features	
Insulation Special Features	8000V Initial Surge Withstand Voltage between Contacts & Coil
Coil Special Features	UL Coil Insulation Class F
Contact Arrangement	2 Form A (NO)
Contact Number of Poles	2
Electrical Characteristics	
Output Current Rating	0 - 40 Arms
Coil Current	.035 A

1500 Vrms

1500 Vrms

1.7 W

Coil Power Rating



Insulation Initial Resistance	1000 ΜΩ
Insulation Initial Dielectric Between Contacts & Coil	4000 Vrms
Output Voltage (Max)	600 V
Contact Limiting Making Current	40 A
Contact Limiting Continuous Current	40 A
Output Voltage Rating (AC Relays)	0 - 277 Vrms
Output Current (Min)	.5 A
Input Voltage	0 - 48 VDC
Contact Limiting Breaking Current	40 A
Coil Power Rating DC	1700 mW
Coil Resistance	1390 Ω
Coil Voltage Rating	48 VDC
Contact Current Rating	30 A
Contact Switching Load (Min)	500mA @ 12V
Contact Switching Voltage (Max)	600 VAC
Contact Voltage Rating	277 VAC
Body Features	
Enclosure Type	Sealed
Product Weight	86 g[3.034 oz]
Contact Features	
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	8 mm[.315 in]
Insulation Creepage Between Contact & Coil	8 mm[.315 in]
Product Width	34.54 mm[1.36 in]
Product Length	52.32 mm[2.05 in]
Product Height	30.73 mm[1.21 in]



### **Usage Conditions**

Usage Conditions	
Environmental Ambient Temperature (Max)	85 °C[185 °F]
Operating Temperature Range	-55 - 85 °C[-67 - 185 °F]
Operation/Application	
Actuating System	DC
Output Switching	Random
Output Current Type	AC
Coil Magnetic System	Monostable
Packaging Features	
Packaging Method	Box & Tray, Bundle
Other	
Length Class (Mechanical)	50 - 60 mm
Insulation Initial Dielectric Between Coil & Contact Class	0 - 4000 V

Insulation Creepage Class	8 - 9.5 mm
Height Class (Mechanical)	30 - 40 mm
Environmental Ambient Temperature Class	70 - 85 °C
Insulation Clearance Class	8 - 9.5 mm
Width Class (Mechanical)	30 - 40 mm
Contact Current Class	30 - 50 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: JAN 2024 (240)  Candidate List Declared Against: JAN 2024 (240)  SVHC > Threshold:  Cadmium oxide (4.57% 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 T92



# **Customers Also Bought**

















### **Documents**

#### **CAD Files**

3D PDF

3D

**Customer View Model** 

ENG\_CVM\_CVM\_1-1393212-1\_G.2d\_dxf.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1-1393212-1\_G.3d\_igs.zip

English

**Customer View Model** 

ENG\_CVM\_CVM\_1-1393212-1\_G.3d\_stp.zip

English

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

### Datasheets & Catalog Pages

T92 Two-Pole, 30 Amp, PC Board or Panel Mount Relay

English

### **Product Specifications**

Definitions General Purpose Relays

English

## Agency Approvals

CQC\_CERT\_16002142754\_C1

English