

T92P7A24-240

✓ ACTIVE

Potter & Brumfield | Potter & Brumfield T92

TE Internal #: 3-1423008-3

Power Relays, Standard, Monostable, 4000 mW Coil Power Rating  
DC, 3800  $\Omega$  Coil Resistance, UL Coil Insulation Class F, Potter &  
Brumfield T92

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



Relay Type: **Standard**  
Coil Magnetic System: **Monostable**  
Coil Power Rating DC: **4000 mW**  
Coil Resistance: **3800  $\Omega$**   
Coil Special Features: **UL Coil Insulation Class F**

[All PCB Power Relay: 40 Amp, Monostable \(66\)](#)

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                                            | .017 A      |
| Insulation Initial Dielectric Between Open Contacts     | 1500 Vrms   |
| Coil Power Rating                                       | 4 W         |
| Insulation Initial Dielectric Between Adjacent Contacts | 1500 Vrms   |



|                                                       |              |
|-------------------------------------------------------|--------------|
| Insulation Initial Resistance                         | 1000 MΩ      |
| 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 - 240 VAC  |
| Contact Limiting Breaking Current                     | 40 A         |
| Coil Power Rating DC                                  | 4000 mW      |
| Coil Resistance                                       | 3800 Ω       |
| Coil Voltage Rating                                   | 240 VAC      |
| 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 | Plastic Dust Cover |
| Product Weight | 86 g[3.034 oz]     |

Contact Features

|                  |          |
|------------------|----------|
| Contact Material | AgSnOInO |
|------------------|----------|

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 | 8 mm[.315 in]     |
| Insulation Creepage Between Contact & Coil  | 8 mm[.315 in]     |
| Product Width                               | 34.54 mm[1.36 in] |
| Product Length                              | 68.58 mm[2.7 in]  |
|                                             |                   |



|                |                   |
|----------------|-------------------|
| Product Height | 26.42 mm[1.04 in] |
|----------------|-------------------|

Usage Conditions

|                                         |                           |
|-----------------------------------------|---------------------------|
| Environmental Ambient Temperature (Max) | 85 °C[185 °F]             |
| Operating Temperature Range             | -55 - 85 °C[-67 - 185 °F] |

Operation/Application

|                      |            |
|----------------------|------------|
| Actuating System     | AC         |
| 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)                                  | 25 - 30 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                                                                                                                     |
| EU ELV Directive 2000/53/EC                   | Compliant                                                                                                                     |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold                                                                                       |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JAN 2024 (240)<br>Candidate List Declared Against: JAN 2024 (240)<br>Does not contain REACH SVHC |
| 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

TE Part # 3-1423008-2  
T92P7A24-120

Also in the Series | Potter & Brumfield T92

Power Relays(69)

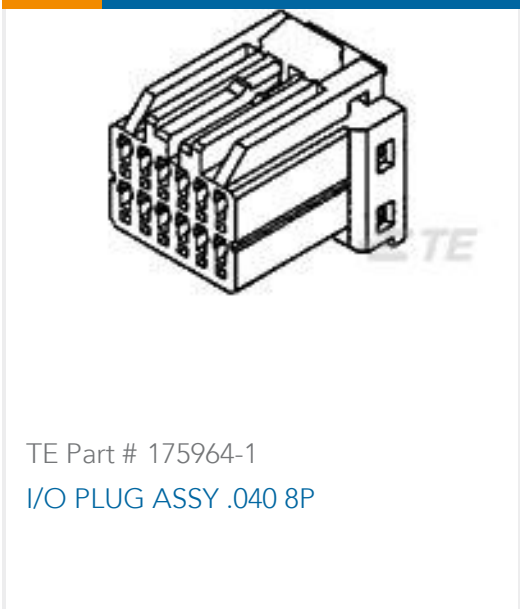
Customers Also Bought

TE Part # 770045-1  
02P UMNL II CAP-FRONT 94VO

TE Part # 1445962-2  
CONT,45A PWR PROD,STRIP,TIN

TE Part # 3-2322122-1  
HVP800 2P HEADER ASSY

TE Part # 163087-1  
.062 DIA SOC.ASS.3+



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_3-1423008-3\_F.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-1423008-3\_F.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_3-1423008-3\_F.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\_16002142753\_C1

English