

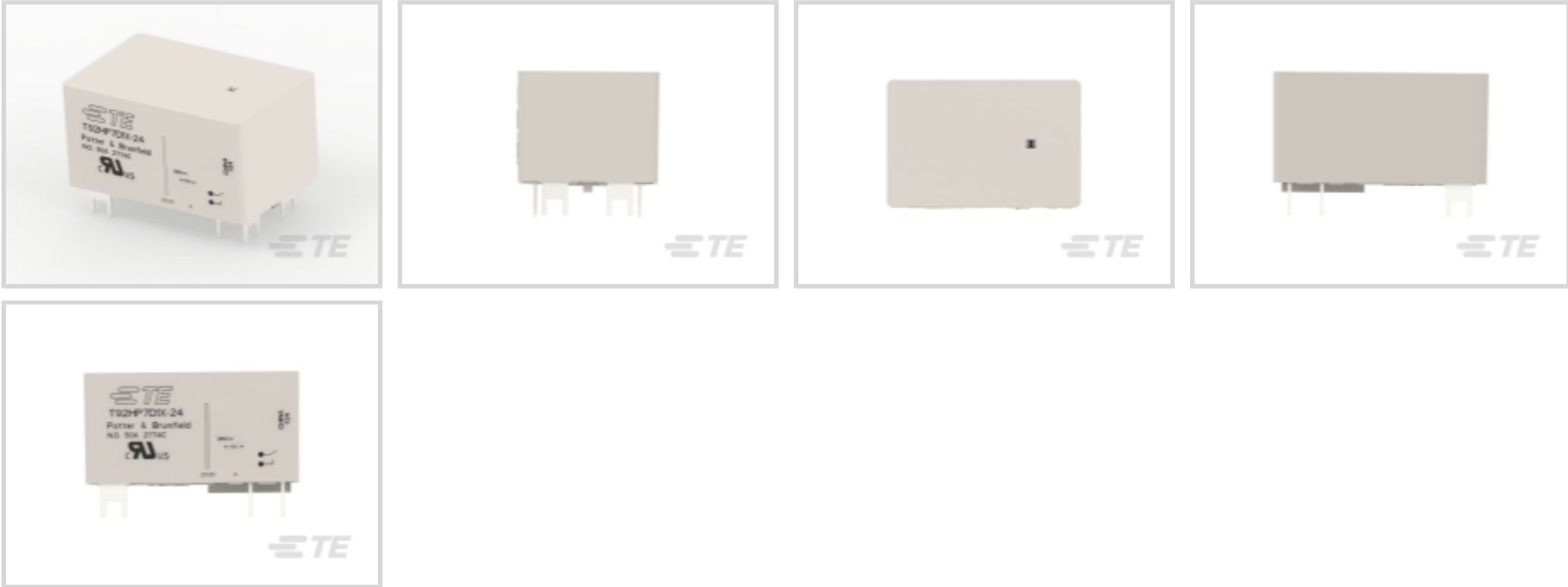


TE Internal #: 6-1423008-7

General Purpose Power Relay, DC, Monostable, 2 Form A DPST-NO, 50 A Contact Rating, 24 VDC Coil Voltage, 277 VAC Contact Voltage, 1.7 W Coil Power

[View on TE.com >](#)

Relays & Contactors > Electromechanical Relays > 2 Pole Relays: Power Relays, Standard, Monostable, 1700 mW



Relay & Contactor Type: **General Purpose Power Relay**

Current Type: **DC**

Coil Magnetic System: **Monostable**

Contact Arrangement: **2 Form A DPST-NO**

Contact Current Rating: **50 A**

[All 2 Pole Relays: Power Relays, Standard, Monostable, 1700 mW \(5\)](#)

Features

Product Type Features

|                        |                             |
|------------------------|-----------------------------|
| Relay & Contactor Type | General Purpose Power Relay |
|------------------------|-----------------------------|

Configuration Features

|                         |                            |
|-------------------------|----------------------------|
| Contact Number of Poles | 2                          |
| Coil Special Features   | UL Coil Insulation Class F |
| Contact Arrangement     | 2 Form A DPST-NO           |

Electrical Characteristics

|   |           |
|---|-----------|
| Contact Limiting Making Current                         | 50 A      |
| Contact Limiting Continuous Current                     | 50 A      |
| Contact Limiting Breaking Current                       | 50 A      |
| Insulation Initial Dielectric Between Open Contacts     | 1500 Vrms |
| Insulation Initial Dielectric Between Adjacent Contacts | 1500 Vrms |
| Coil Current  | .07 A     |
| Contact Switching Voltage (Max)                         | 600 VAC   |



|   |                 |
|---|-----------------|
| Contact Switching Load (Min)                          | 500mA @ 12V     |
| Coil Resistance                                       | 344 $\Omega$    |
| Insulation Initial Resistance                         | 1000 M $\Omega$ |
| Contact Current Rating                                | 50 A            |
| Coil Voltage Rating                                   | 24 VDC          |
| Contact Voltage Rating                                | 277 VAC         |
| Coil Power Rating DC                                  | 1.7 W           |
| Insulation Initial Dielectric Between Contacts & Coil | 4000 Vrms       |

Body Features

|                |                |
|----------------|----------------|
| Product Weight | 86 g           |
| Enclosure Type | Dust Protected |

Contact Features

|                  |              |
|------------------|--------------|
| Contact Material | Silver Alloy |
|------------------|--------------|

Termination Features

|                                    |             |
|------------------------------------|-------------|
| Main Termination & Connection Type | Solder Pins |
| Coil Termination & Connection Type | Solder Pins |

Mechanical Attachment

|                    |             |
|--------------------|-------------|
| Product Mount Type | Board Mount |
|--------------------|-------------|

Dimensions

|   |                   |
|---|-------------------|
| Insulation Clearance Between Contact & Coil | 8 mm[.31 in]      |
| Insulation Creepage Between Contact & Coil  | 8 mm[.31 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

|   |                           |
|---|---------------------------|
| Operating Temperature Range             | -55 – 85 °C[-67 – 185 °F] |
| Environmental Category of Protection    | RTI                       |
| Environmental Ambient Temperature (Max) | 85 °C[185 °F]             |

Operation/Application

|                      |              |
|----------------------|--------------|
| Shock Resistance     | 100G's, 11ms |
| Current Type         | DC           |
| Coil Magnetic System | Monostable   |



Packaging Features

|                  |                    |
|------------------|--------------------|
| Packaging Method | Box & Tray, Bundle |
|------------------|--------------------|

Other

|                         |                   |
|-------------------------|-------------------|
| Coil Power Rating Class | 0 – 1.7 W         |
| Contact Current Class   | 0 – 3 A, 0 – 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 2025 (247)<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                     | Wave solder capable to 265°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



TE Part # CAT-Z30-T92H  
2 Pole Relays: Power Relays, Standard, Monostable, 1700 mW

Customers Also Bought

TE Part #1-1318300-2  
3.96 EP HDR ASSY 2P NAT/TUBE

TE Part #103638-1  
02 MTE HDR SRST LATCH .100CL

TE Part #1241050-5  
2x5P MOD II BREAK AWAY HDR,SMD, BLISTER

TE Part #254589-E  
SMCQ 32 M AB VV 8-13 CL \* H007 137 E005

TE Part #1-1825137-5  
A103SYCB04

TE Part #1-2176513-2  
CJP 1000W 18R 5% Lead

TE Part #294919-E  
SRCP 1,27 10 M 1 SMD 137 E1 094 \* GU-H \*

TE Part #535609-000  
55PC0811-20-9CS2502

TE Part #1-6450860-3  
MBXLE VERT RCPT 4P + 8S + 4P

TE Part #6450820-5  
MBXL VERT HDR 4P+8S+4P

Documents

- CAD Files
- 3D PDF
- 3D
- Customer View Model
- ENG\_CVM\_CVM\_6-1423008-7\_A.2d\_dxf.zip
- English
- Customer View Model
- ENG\_CVM\_CVM\_6-1423008-7\_A.3d\_igs.zip
- English



Customer View Model

ENG\_CVM\_CVM\_6-1423008-7\_A.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

Datasheet - Ev Charging Relays Contactors

English

POTTER & BRUMFIELD POWER RELAY T92 SERIES

English

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

English

T92H Series Two-pole Power Relay

English

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

UL

English