T92P7D24-12 ✔ ACTIVE

Potter & Brumfield | Potter & Brumfield T92

TE Internal #: 2-1423008-2

Power Relays, General Purpose Power Relay, Monostable, 1700 mW Coil Power Rating DC, 86 Ω Coil Resistance, Potter & Brumfield T92

View on TE.com >

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



Relay Type: **General Purpose Power Relay**

Coil Magnetic System: **Monostable**

Coil Power Rating DC: **1700 mW**

Coil Resistance: **86 Ω**

Coil Special Features: **UL Coil Insulation Class F**

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

Features

Product Type Features

Relay Type	General Purpose Power Relay

Configuration Features

Coil Special Features	UL Coil Insulation Class F
Contact Arrangement	2 Form A (NO)
Contact Number of Poles	2

Electrical Characteristics

Coil Current	.142 A
Insulation Initial Dielectric Between Open Contacts	1500 Vrms
Coil Power Rating	1.7 W
Insulation Initial Dielectric Between Adjacent Contacts	1500 Vrms
Insulation Initial Resistance	1000 MΩ
Insulation Initial Dielectric Between Contacts & Coil	4000 Vrms
Contact Limiting Making Current	40 A

Contact Limiting Continuous Current	40 A
Output Voltage Rating (AC Relays)	0 – 277 Vrms
Input Voltage	0 – 12 VDC
Contact Limiting Breaking Current	40 A
Coil Power Rating DC	1700 mW
Coil Resistance	86 Ω
Coil Voltage Rating	12 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	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 Category of Protection	RTI
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
Height Class (Mechanical)	25 – 30 mm
Environmental Ambient Temperature Class	70 – 85 °C
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: JUNE 2024 (241) Candidate List Declared Against: JAN 2024 (240) 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

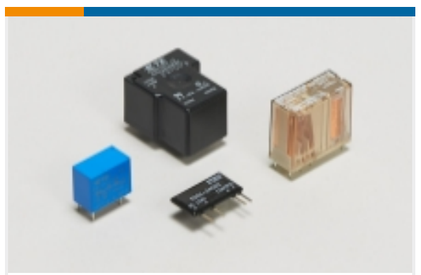
requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

Compatible Parts



TE Part # 1423008-9
T92P7D24-24

Also in the Series | Potter & Brumfield T92



Power Relays(69)

Customers Also Bought



TE Part #640250-4
04P SL156 HSG W/LCK RAMP NATL



TE Part #282105-1
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING



TE Part #1534102-1
20POS MQS REC



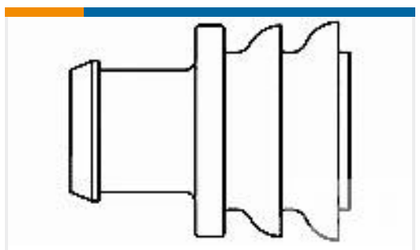
TE Part #5-747905-2
9 Rcpt Solder Cup, Gold Flash,



TE Part #1-1123722-6
3.96 EP PLUG HSG 6P(NATURAL)



TE Part #1123721-2
ECONOMY POWER CONN REC CONT



TE Part #281934-2
SINGLE WIRE SEAL



TE Part #1622796-2
YR1 0.1% 100R



TE Part #5-965908-1
MQS0,63 Sn tab LL EDS 0,5-0,75

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2-1423008-2_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2-1423008-2_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2-1423008-2_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_16002142754_C1

English