6-1423008-6 ✔ ACTIVE

TE Internal #: 6-1423008-6

Power Relays, Standard, Monostable, DC, 0 – 1700mW Coil Power Rating Class, 1700mW Coil Power Rating DC, 86Ω Coil Resistance

View on TE.com >

Relays, Contactors & Switches > Relays > Power Relays



Power Relay Type: **Standard**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating Class: **0 – 1700 mW**

Coil Power Rating DC: **1700 mW**

Coil Resistance: **86 Ω**

Features

Product Type Features

Enclosure Type	Plastic Dust Cover
Output Type	AC
Power Relay Type	Standard

Configuration Features

Output Switching	Random

Electrical Characteristics

Insulation Initial Dielectric Between Coil & Contact Class	4000 V
Input Voltage Typical	0 – 12 VDC
Output Current Rating	0 – 3 Arms, 0 – 50 Arms
Actuating System	DC
Insulation Initial Dielectric Between Open Contacts	1500 Vrms
Coil Power Rating	1.7 W
Insulation Creepage Class	8 – 9.5 mm
Insulation Initial Dielectric Between Adjacent Contacts	1500 Vrms
Shock	100G's, 11ms

Insulation Initial Resistance	1000 MΩ
Insulation Initial Dielectric Between Contacts & Coil	4000 Vrms
Output Voltage (Max)	600 V
Contact Limiting Making Current	50 A
Insulation Creepage Between Contact & Coil	8 mm[.31 in]
Contact Limiting Continuous Current	50 A
Output Voltage Rating (AC Relays)	0 – 277 Vrms
Output Current (Min)	.5 A
Contact Limiting Breaking Current	50 A
Coil Current	.14 A
Coil Magnetic System	Monostable, DC
Coil Power Rating Class	0 – 1700 mW
Coil Power Rating DC	1700 mW
Coil Resistance	86 Ω
Coil Special Features	UL Coil Insulation Class F
Coil Voltage Rating	12 VDC
Contact Switching Load (Min)	500mA @ 12V
Contact Switching Voltage (Max)	600 VAC
Contact Voltage Rating	277 VAC

Body Features

Product Weight	86 g
Insulation Special Features	8000V Initial Surge Withstand Voltage between Contacts & Coil
Packaging Style	Panel Mount

Contact Features

Contact Plating Material	Silver Nickel
Switch Arrangement	(2) x 1 Form C
Contact Arrangement	2 Form C (CO)
Contact Current Class	0 – 3 A, 0 – 50 A
Contact Current Rating (Max)	50 A
Contact Material	Ag Alloy
Contact Number of Poles	2
Terminal Type	PCB-THT

Termination Features

Relay Termination Type	Printed Circuit Terminals

Mechanical Attachment

Relay Mounting Type	Printed Circuit Board

Dimensions

Insulation Clearance Between Contact & Coil	8 mm[.31 in]
Dimensions (L x W x H) (Approximate)	52.32x34.54x30.73 mm[1.2x0.95x0.81 in]
Insulation Clearance Class	8 – 9.5 mm
Product Width	34.54 mm[1.36 in]
Product Length	52.32 mm[2.06 in]
Product Height	30.73 mm[1.21 in]

Usage Conditions

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

Packaging Features

Packaging Method	Box & Tray, Bundle

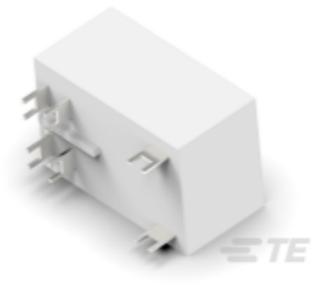
Product Compliance

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 2021 (211) Candidate List Declared Against: JUN 2020 (209) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Wave solder capable to 265°C

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

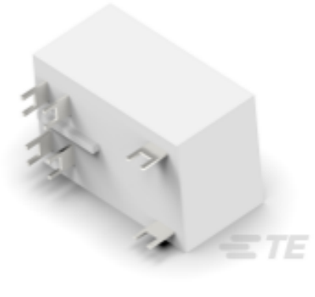


TE Part # 6-1423008-7
T92HP7D1X-24

TE Part # 6-1423008-9
T92HP7D1X-48

Customers Also Bought

TE Part #6-1393211-2
PCB Power Relay: 40 Amp, Monostable



TE Part #6-1423008-7
T92HP7D1X-24

Documents

CAD Files

3D PDF

3D

Customer View Model
ENG_CVM_CVM_6-1423008-6_A.2d_dxf.zip

English

Customer View Model
ENG_CVM_CVM_6-1423008-6_A.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_6-1423008-6_A.3d_stp.zip

English

Datasheets & Catalog Pages

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

English

Industrial Relays Quick Reference Guide

English

POTTER & BRUMFIELD POWER RELAY T92 SERIES

English

Industrial Relays Quick Reference Guide

Japanese

Industrial Relays Quick Reference Guide

Product Specifications

Definitions, Handling, Processing, Testing and Use of Relays

English