

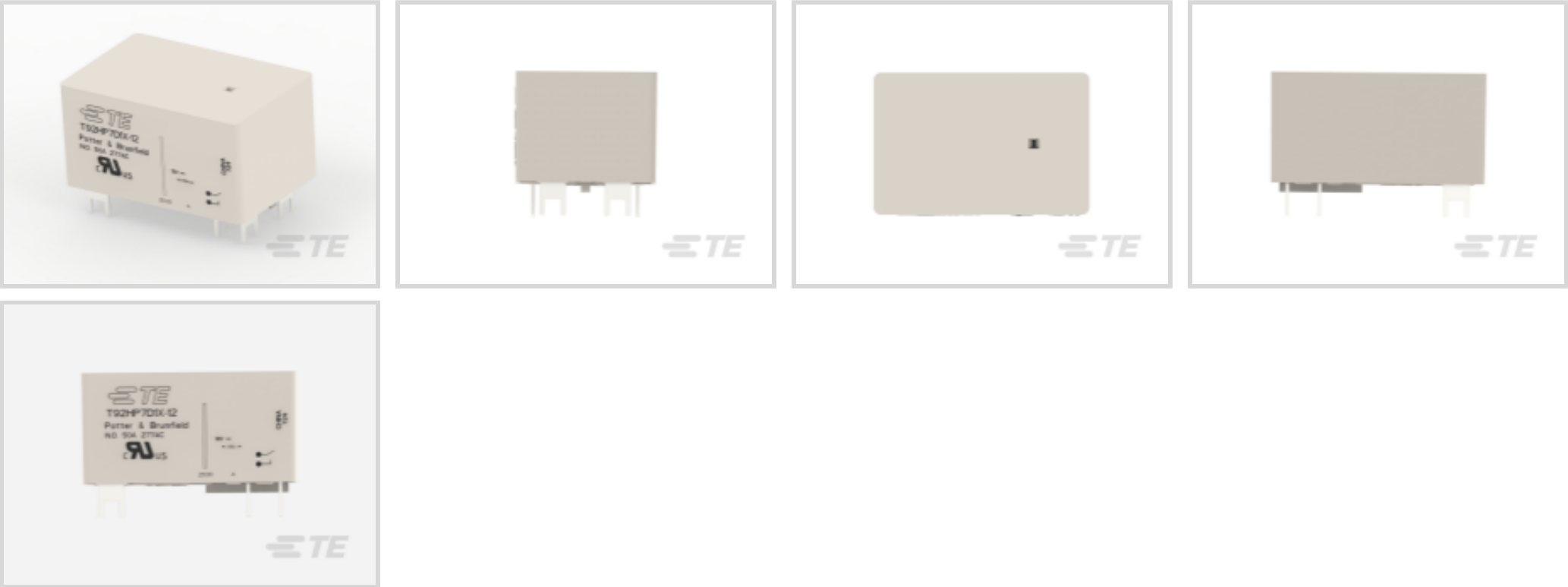


TE Internal #: 6-1423008-6

General Purpose Power Relay, DC, Monostable, 2 Form A DPST-NO, 50 A Contact Rating, 12 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**

Coil Magnetic System: **Monostable**

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

Current Type: **DC**

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
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Configuration Features

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

Electrical Characteristics

Coil Current	.14 A
Insulation Initial Dielectric Between Open Contacts	1500 Vrms
Contact Limiting Making Current	50 A
Contact Limiting Continuous Current	50 A
Contact Switching Voltage (Max)	600 VAC
Contact Switching Load (Min)	500mA @ 12V
Insulation Initial Dielectric Between Adjacent Contacts	1500 Vrms



Insulation Initial Resistance	1000 MΩ
Contact Limiting Breaking Current	50 A
Coil Resistance	86 Ω
Contact Current Rating	50 A
Coil Voltage Rating	12 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	Ag Alloy
Contact Plating Material	Silver Nickel

Termination Features

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

Mechanical Attachment

Product Mount Type	Printed Circuit Board
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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

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

Operation/Application

Shock Resistance	100G's, 11ms
Coil Magnetic System	Monostable



Current Type	DC
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Packaging Features

Packaging Method	Box & Tray, Bundle
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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: 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	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 #1-338068-4
MICRO-MATCH FTE,14P

TE Part #292132-9
CT P/HDR BOX V 9P NAT

TE Part #4-1879234-3
SMF5 30K 5%

TE Part #1-2176070-0
3521 24R 1% 2W

TE Part #1676625-9
HSA25 5K6 5%

TE Part #1623785-8
SQM10 470R 5% (WIRE)

TE Part #3-640600-8
08P MTA156 CONN ASSY 20AWG LF

TE Part #2350514-8
8POS TB HDR 90 DEG, PITCH 3.5 & TL 3.5mm

TE Part #234647-E
STVC/2 48 F ABC VV 7-00 EE 5,5 * 247 E0

TE Part #5-2176577-6
RLC73K 2B R21 1% 5K RL

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

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

T92 TRAY PACKING

English

Definitions General Purpose Relays

English

Agency Approvals

UL

English