6-1423008-6 ✔ ACTIVE

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

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	.14 A
Contact Switching Voltage (Max)	600 VAC

Contact Switching Load (Min)	500mA @ 12V
Coil Resistance	86 Ω
Insulation Initial Resistance	1000 MΩ
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	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[2.06 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
Coil Magnetic System	Monostable
Current Type	DC

Packaging Features

Packaging Method	Box & Tray, Bundle

Other

Coil Power Rating Class	>1.5 – ≤3 W
Contact Current Class	>32 – ≤50 A
Height Class (Mechanical)	>27 – ≤33 mm[>1.063 – ≤1.299 in]
Length Class (Mechanical)	>45 – ≤70 mm[>1.772 – ≤2.756 in]
Width Class (Mechanical)	>33 mm[>1.299 in]

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	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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

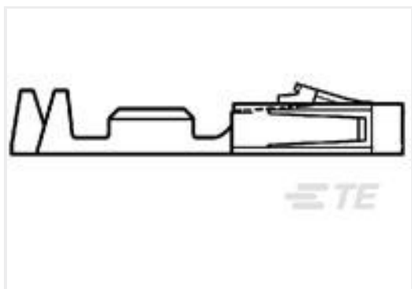
Customers Also Bought



TE Part #K1142884
Battery Disconnector 35-210-051-R-900



TE Part #20009605-15
FX293X-100A-0100-L



TE Part #104479-9
SHORT POINT CONT 15 DPLX STMPD LF



TE Part #6-1625892-7
3W SM M/OX 5% 68R



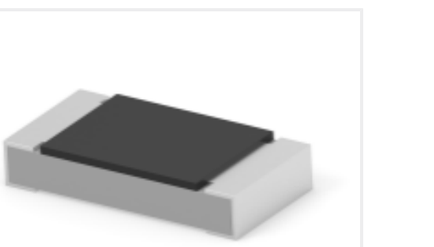
TE Part #4-1879073-3
THS10 1K0 5%



TE Part #1-1879233-3
SMW5 R33 5%



TE Part #1-2176341-4
CRGCQ 0805 120R 1%



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



TE Part #5-2213767-1
AV19 DPM 3A MOVE RING LED YELLOW 24V



TE Part #2329387-5
PB OFF/ON FC BLK M1 TERM BLU LED IP68

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

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

English

T92H Series Two-pole Power Relay

English

POTTER & BRUMFIELD POWER RELAY T92 SERIES

English

Product Specifications

Definitions General Purpose Relays

English

T92 TRAY PACKING

English

Agency Approvals

UL

English