

T9CP5A54-240 ✓ ACTIVE

Potter & Brumfield | Potter & Brumfield T9C

TE Internal #: 2-1649341-0

Power Relays, Standard, Monostable, AC, 1600 VA Coil Power Rating AC, 11500 Ω Coil Resistance, UL Coil Insulation Class F, Potter & Brumfield T9C

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Relays, Contactors & Switches > Relays > Power Relays



Power Relay Type: **Standard**

Coil Magnetic System: **Monostable, AC**

Coil Power Rating AC: **1600 VA**

Coil Resistance: **11500 Ω**

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

Features

Product Type Features

| | |
|------------------|----------|
| Power Relay Type | Standard |
|------------------|----------|

Electrical Characteristics

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|--|------------------|
| Insulation Initial Dielectric Between Coil & Contact Class | 1500 – 2500 V |
| Insulation Initial Dielectric Between Open Contacts | 1500 Vrms |
| Contact Limiting Making Current | 30 A |
| Contact Limiting Short-Time Current | 30 A |
| Contact Limiting Continuous Current | 30 A |
| Insulation Creepage Class | 5.5 – 8 mm |
| Insulation Initial Dielectric Between Contacts & Coil | 2500 Vrms |
| Insulation Initial Resistance | 1000 M Ω |
| Insulation Creepage Between Contact & Coil | 6.36 mm [.25 in] |
| Contact Limiting Breaking Current | 30 A |
| Coil Magnetic System | Monostable, AC |
| Coil Power Rating AC | 1600 VA |



| | |
|---------------------------------|----------------------------|
| Coil Resistance | 11500 Ω |
| Coil Special Features | UL Coil Insulation Class F |
| Coil Voltage Rating | 240 VAC |
| Contact Switching Load (Min) | 1000mA @ 5V |
| Contact Switching Voltage (Max) | 277 VAC |
| Contact Voltage Rating | 277 VAC |

Body Features

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|-----------------------------|---|
| Insulation Special Features | 6000V Initial Surge Withstand Voltage between Contacts & Coil |
|-----------------------------|---|

Contact Features

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|------------------------------|-----------------|
| Contact Arrangement | 1 Form C (CO) |
| Contact Current Class | 16 A, 20 – 30 A |
| Contact Current Rating (Max) | 30 A |
| Contact Material | AgSnOInO |
| Contact Number of Poles | 2 |
| Relay Terminal Type | Quick Connect |

Termination Features

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|------------------------|------------------------------------|
| Relay Termination Type | .25 x .032 Quick Connect Terminals |
|------------------------|------------------------------------|

Mechanical Attachment

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|---------------------|---------------|
| Relay Mounting Type | Quick Connect |
|---------------------|---------------|

Dimensions

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|---|-------------------|
| Length Class (Mechanical) | 50 – 55 mm |
| Insulation Clearance Class | 2.5 – 4 mm |
| Height Class (Mechanical) | 20 – 35 mm |
| Insulation Clearance Between Contact & Coil | 3.18 mm[.125 in] |
| Width Class (Mechanical) | 25 – 30 mm |
| Product Width | 27.4 mm[1.08 in] |
| Product Length | 50.3 mm[1.98 in] |
| Product Height | 27.9 mm[1.098 in] |

Usage Conditions

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|---|-----------------------------------|
| Environmental Ambient Temperature Class | -40 – 70 $^{\circ}$ C |
| Environmental Ambient Temperature (Max) | 70 $^{\circ}$ C[-40 $^{\circ}$ F] |



Packaging Features

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| Packaging Method | Tray/Box |
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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 2022 (224) Candidate List Declared Against: JUNE 2022 (224) 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

| | | |
|--|---|--|
|  <p>TE Part # 63306-2 250 FASTON REC 18-14 AWG TPBR</p> |  <p>TE Part # 63435-1 250 FASTON REC 14-10 AWG SPBR</p> |  <p>TE Part # 2238209-3 250 FASTON, FLAG, REC., 22-12 AWG, PTBR</p> |
|--|---|--|

Also in the Series | Potter & Brumfield T9C



Power Relays(14)

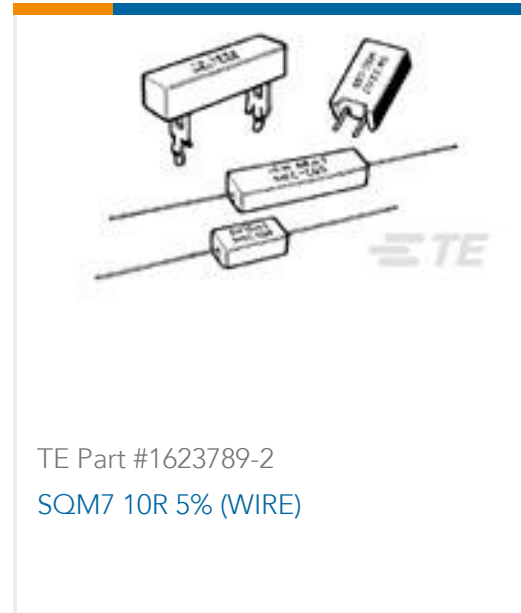
Customers Also Bought



TE Part #4515DO-DS3BK002DPL
2IN PCB MOUNT I2C DIFF PRESSURE
SENSOR



TE Part #6609065-2
3EDP=F7688 S0



TE Part #1623789-2
SQM7 10R 5% (WIRE)



TE Part #643408-1
06P UMNL PIN HDR ASSY POL 94VO



TE Part #1-1565994-4
RITS HDR ASSY R/A SMT TYPE 4P



TE Part #1879215-1
CPF 0402 4K02 0.1% 25PPM 1K RL



TE Part #5-2301995-2
RJ45 JACK INT.MAG. 10/100 1X1
VERT.



TE Part #5-2176327-2
CRGP 0805 180K 1%



TE Part #5-1419102-8
T9AP1D52-48



TE Part #641976-1
15P UMNL PIN HDR ASSY POL 94VO

Documents

Product Drawings

[T9CP5A54-240](#)

English

Datasheets & Catalog Pages

[T9C Series Relay Data Sheet - English](#)

English

Agency Approvals



[UL](#)

English