# **T9CP5A54-120 ~** ACTIVE

#### Potter & Brumfield | Potter & Brumfield T9C

TE Internal #: 1-1649341-9 General Purpose Power Relay, AC, Monostable, 1 Form C SPDT-CO, 20 A Contact Rating, 120 VAC Coil Voltage, Potter & Brumfield T9C

#### View on TE.com >

#### Relays & Contactors > Electromechanical Relays



Relay & Contactor Type: General Purpose Power Relay

Current Type: AC

Coil Magnetic System: Monostable

Contact Arrangement: 1 Form C SPDT-CO

Contact Current Rating: 20 A

## 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	1 Form C SPDT-CO			
Electrical Characteristics				
Contact Limiting Short-Time Current	30 A			
Contact Limiting Making Current	30 A			
Contact Limiting Continuous Current	30 A			
Contact Limiting Breaking Current	30 A			
Insulation Initial Dielectric Between Open Contacts	1500 Vrms			
Contact Switching Voltage (Max)	277 VAC			
Contact Switching Load (Min)	1000mA @ 5V			
Coil Resistance	2800 Ω			

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Coil Power Rating AC	1.6 VA
Insulation Initial Resistance	1000 MΩ
Contact Current Rating	20 A
Coil Voltage Rating	120 VAC
Contact Voltage Rating	250 VAC
Insulation Initial Dielectric Between Contacts & Coil	2500 Vrms
Body Features	
Enclosure Type	Dust Protected
Contact Features	
Contact Material	AgSnOInO
Termination Features	
Main Termination & Connection Type	Quick Connect Terminals
Coil Termination & Connection Type	Quick Connect Terminals
Mechanical Attachment	
Product Mounting Feature Type	Flange with Mounting Slots
Product Mount Type	Panel Mount

#### Dimensions

Insulation Clearance Between Contact & Coil	3.18 mm[.125 in]
Insulation Creepage Between Contact & Coil	6.36 mm[.25 in]
Product Width	27.43 mm[1.08 in]
Product Length	50.29 mm[1.97 in]
Product Height	27.94 mm[1.1 in]
Usage Conditions	
Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
Environmental Category of Protection	RTII
Environmental Ambient Temperature (Max)	85 °C[185 °F]
Operation/Application	
Current Type	AC
Coil Magnetic System	Monostable
Packaging Features	
Packaging Method	Tray/Box

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#### Other

Contact Current Class	16 A
Environmental Ambient Temperature Class	-40 – 70 °C
Height Class (Mechanical)	20 – 35 mm
Length Class (Mechanical)	50 – 55 mm
Width Class (Mechanical)	25 – 30 mm

## **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 2025 (247) Candidate List Declared Against: JUNE 2024 (241) 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

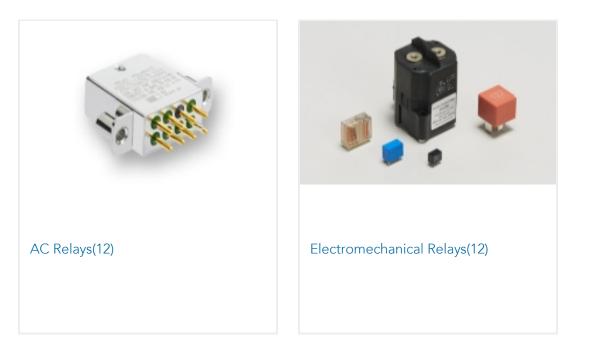
# **Compatible Parts**

General Purpose Power Relay, AC, Monostable, 1 Form C SPDT-CO, 20 A Contact Rating, 120 VAC Coil Voltage, Potter & Brumfield T9C





# Also in the Series | Potter & Brumfield T9C



# Customers Also Bought



	=TE			
TE Part #640919-1 RECEPT,PIDG FASTON 16-14 187	TE Part #1649341-2 T9CP1A54-240	TE Part #3-1393250-4 W28-XQ1A-3=W28-	TE Part #1-1423008-0 T92P7D52-12	









TE Part #6609053-9 10EHT1=F7667 S0

TE Part #52929-3 PIDG SP SPD 22-16COMM22-18MIL6

TE Part #CAT-P592-R472A PIDG Ring Tongue Terminals

TE Part #165085 PG WIRE PIN 12-10



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# Documents

Product Drawings T9CP5A54-120

English

Datasheets & Catalog Pages T9C Series Relay Data Sheet - English

English

**Product Specifications Definitions General Purpose Relays** English

Agency Approvals UL

English