

# T9CP5A54-120 ✓ ACTIVE

Potter & Brumfield | Potter & Brumfield T9C

TE Internal #: 1-1649341-9

Power Relays, Standard, Monostable, AC, 1600 VA Coil Power Rating AC, 2800  $\Omega$  Coil Resistance, UL Coil Insulation Class F, Potter & Brumfield T9C

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Relays & Contactors > Relays > Power Relays



Relay Type: **Standard**

Coil Magnetic System: **Monostable, AC**

Coil Power Rating AC: **1600 VA**

Coil Resistance: **2800  $\Omega$**

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

## Features

### Product Type Features

Relay Type	Standard
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### Configuration Features

Insulation Special Features	6000V Initial Surge Withstand Voltage between Contacts & Coil
Coil Special Features	UL Coil Insulation Class F
Contact Arrangement	1 Form C (CO)
Contact Number of Poles	2

### Electrical Characteristics

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 Initial Dielectric Between Contacts & Coil	2500 Vrms
Insulation Initial Resistance	1000 M $\Omega$



Contact Limiting Breaking Current	30 A
Coil Power Rating AC	1600 VA
Coil Resistance	2800 $\Omega$
Coil Voltage Rating	120 VAC
Contact Current Rating	30 A
Contact Switching Load (Min)	1000mA @ 5V
Contact Switching Voltage (Max)	277 VAC
Contact Voltage Rating	277 VAC

### Contact Features

Contact Material	AgSnOInO
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### Termination Features

Relay Connection Type	Terminals
Terminal Configuration	Quick Connect Terminals

### Mechanical Attachment

Product Mounting Feature Type	Flange with Mounting Slots
Product Mount Type	Panel

### 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

Environmental Ambient Temperature (Max)	70 °C[-40 °F]
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### Operation/Application

Coil Magnetic System	Monostable, AC
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### Packaging Features

Packaging Method	Tray/Box
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### Other

Length Class (Mechanical)	50 - 55 mm
Insulation Initial Dielectric Between Coil & Contact Class	1500 - 2500 V
Environmental Ambient Temperature Class	-40 - 70 °C



Insulation Creepage Class	5.5 - 8 mm
Insulation Clearance Class	2.5 - 4 mm
Height Class (Mechanical)	20 - 35 mm
Width Class (Mechanical)	25 - 30 mm
Contact Current Class	16 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: JAN 2024 (240) 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	Not applicable for solder process capability

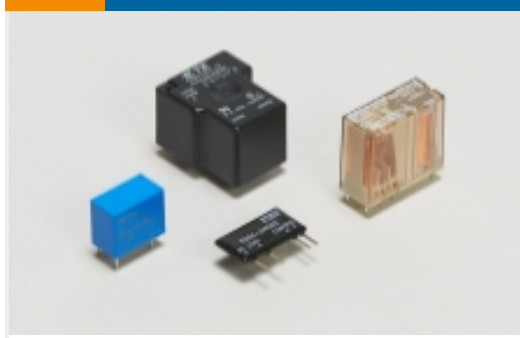
#### Product Compliance Disclaimer

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 # 1-1649341-7 T9CP5A54-24</p>	 <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>
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## Also in the Series | Potter & Brumfield T9C



Power Relays(14)

## Customers Also Bought



TE Part # 3-1393250-4  
W28-XQ1A-3=W28-



TE Part # 5-794630-4  
24P MICRO MNL ASSY,VRT,HDR,LF



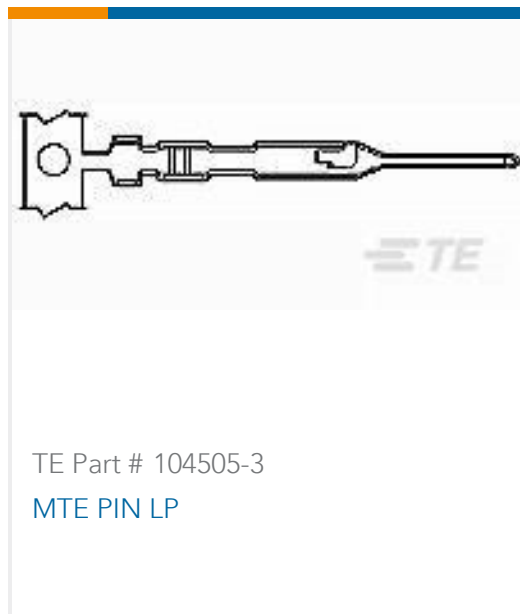
TE Part # 1-1393250-9  
W28-XQ1A-0.25=W28



TE Part # 4-1393249-2  
W58-XC4C12A-2=W58



TE Part # 4-1393249-6  
W58-XC4C12A-30=W58



TE Part # 104505-3  
MTE PIN LP



TE Part # 5-146274-3  
03 MODII HDR SRST B/A .100CL



TE Part # 1217841-1  
HEAVY DUTY BURNER CLIP ST

## 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

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