

# T9CP1A52-240 ✓ ACTIVE

Potter & Brumfield | Potter & Brumfield T9C

TE Internal #: 1649341-6

Power Relays, Standard, Monostable, AC, 1600 VA Coil Power Rating AC, 11500  $\Omega$  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  $\Omega$**

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

## Features

### Product Type Features

Power Relay Type	Standard
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### Electrical Characteristics

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 $\Omega$
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 $\Omega$
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

Insulation Special Features	6000V Initial Surge Withstand Voltage between Contacts & Coil
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### Contact Features

Contact Arrangement	1 Form A (NO)
Contact Current Class	16 A, 20 – 30 A
Contact Current Rating (Max)	30 A
Contact Material	AgCdO
Contact Number of Poles	1
Relay Terminal Type	Quick Connect

### Termination Features

Relay Termination Type	.25 x .032 Quick Connect Terminals
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### Mechanical Attachment

Relay Mounting Type	Quick Connect
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### Dimensions

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

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



### Packaging Features

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 with Exemptions
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2023 (233) Candidate List Declared Against: JUNE 2022 (224) SVHC > Threshold: Cadmium oxide (10% in Component Part) <b>Article Safe Usage Statements:</b> Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Pin-in-Paste capable to 260°C

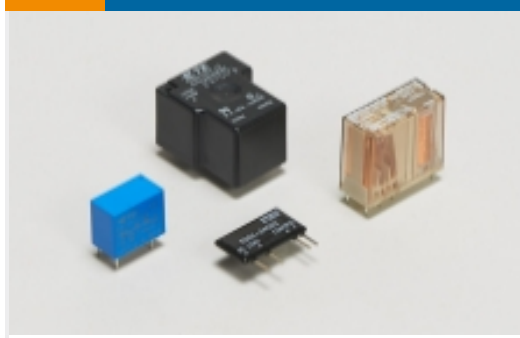
#### Product Compliance Disclaimer

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

 <p>TE Part # 63306-2 250 FASTON REC 18-14 AWG TPBR</p>	 <p>TE Part # 1649341-5 T9CP1A52-120</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 #DT06-2S  
PLG, 2P, GRY, N



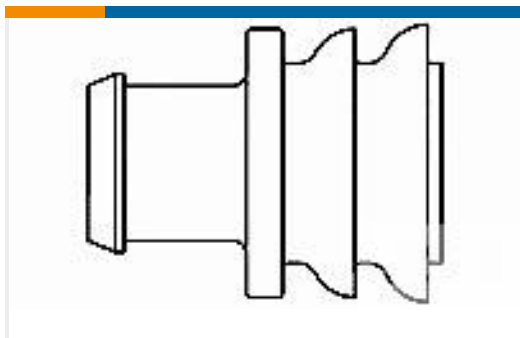
TE Part #W2S  
Wedgelocks: DEUTSCH DT



TE Part #0462-201-16141  
DEUTSCH Solid Contacts



TE Part #282104-1  
AMP SUPERSEAL 1.5MM,  
CONNECTOR HOUSING



TE Part #281934-2  
SINGLE WIRE SEAL



TE Part #DT04-2P  
REC, 2P, GRY, N



TE Part #114017-ZZ  
SEALING PLUG, SIZE 12/16, WHT

## Documents

### Product Drawings

[T9CP1A52-240](#)

English

### CAD Files

[3D PDF](#)

[3D](#)

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_1649341-6\\_F.2d\\_dxf.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_1649341-6\\_F.3d\\_igs.zip](#)

English

[Customer View Model](#)

[ENG\\_CVM\\_CVM\\_1649341-6\\_F.3d\\_stp.zip](#)



English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Datasheets & Catalog Pages

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

English

### Product Specifications

[Definitions General Purpose Relays](#)

English

### Product Environmental Compliance

[TE Material Declaration](#)

English

### Agency Approvals

[VDE Certificate](#)

English