

# T9GS1L24-12 ✓ ACTIVE

Potter & Brumfield | Potter & Brumfield T9G

TE Internal #: 1558676-3

Power Relays, Standard, Monostable, DC, 900 mW Coil Power Rating DC, 160  $\Omega$  Coil Resistance, UL Coil Insulation Class F, Potter & Brumfield T9G

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Relays, Contactors & Switches > Relays > Power Relays > PCB Power Relay: 30 amp, Monostable DC



Power Relay Type: **Standard**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating DC: **900 mW**

Coil Resistance: **160  $\Omega$**

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

[All PCB Power Relay: 30 amp, Monostable DC \(108\)](#)

## Features

### Product Type Features

Power Relay Type	Standard
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### Electrical Characteristics

Coil Power Rating Class	800 – 1000 mW
Insulation Initial Dielectric Between Open Contacts	1500 Vrms
Insulation Initial Dielectric Between Contacts & Coil	4000 Vrms
Coil Magnetic System	Monostable, DC
Coil Power Rating DC	900 mW
Coil Resistance	160 $\Omega$
Coil Special Features	UL Coil Insulation Class F
Coil Voltage Rating	12 VDC
Contact Switching Load (Min)	100mA @ 12V
Contact Switching Voltage (Max)	480 VAC
Contact Voltage Rating	250 VAC

### Body Features

Product Weight	23 g[.812 oz]
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### Contact Features

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

### Termination Features

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

Relay Mounting Type	Printed Circuit Board
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### Dimensions

Length Class (Mechanical)	30 – 35 mm
Height Class (Mechanical)	25 – 30 mm
Dimensions (L x W x H) (Approximate)	32 x 25 x 27 mm[1.260 x .984 x 1.063 in]
Width Class (Mechanical)	20 – 25 mm
Product Width	25 mm[.984 in]
Product Length	32 mm
Product Height	27 mm

### Usage Conditions

Environmental Ambient Temperature (Max)	105 °C, 85 °C[176 °F][221 °F]
Operating Temperature Range	-40 – 105 °C

### Packaging Features

Packaging Method	Carton & Tube
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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 2023 (235) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Wave solder 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



TE Part # 1969657-1  
250 FASTON HSG.,FLAG,REC.,1 POS, BLACK



TE Part # 2238171-3  
250 FASTON,FLAG,REC.,22-12 AWG, TPBR



TE Part # 1969656-1  
250 FASTON HSG.,FLAG,REC.,1 POS, NATRUAL



TE Part # 1969900-1  
250 FASTON HSG.,FLAG,REC.,2 POS, NATRUAL



TE Part # 2238270-1  
HSG, RECEP, 250 FASTON FLAG, 3P, T9G

Also in the Series | **Potter & Brumfield T9G**



Power Relays(108)

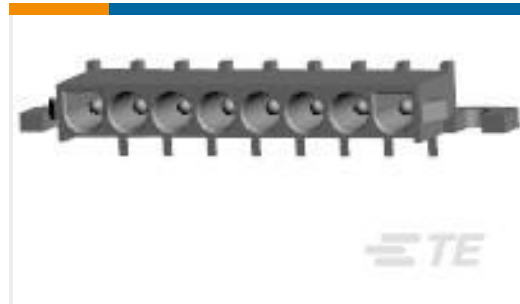
## Customers Also Bought



TE Part #440053-5  
2.5MM,HDR,5POS,R/A



TE Part #641971-1  
09P UMNL PIN HDR ASSY V2 NATL



TE Part #640584-1  
08P UMNL HDR ASSY R/A 94VO



TE Part #641831-1  
06P UMNL PIN HDR ASSY 94VO



TE Part #641965-1  
03P UMNL PIN HDR ASSY V2 NATL



TE Part #641963-1  
02P UMNL PIN HDR ASSY POL NATL



TE Part #643410-1  
08P UMNL PIN HDR ASSY POL 94VO



TE Part #641828-1  
08P UMNL PIN HDR ASSY 94VO



TE Part #641967-1  
04P UMNL PIN HDR ASSY POL NATL



TE Part #3-1437664-8  
NC6-P108-06=NC6 ASSEMBLY

## Documents

### CAD Files

[3D PDF](#)

[3D](#)

### Customer View Model

[ENG\\_CVM\\_CVM\\_1558676-3\\_B.2d\\_dxf.zip](#)

English

### Customer View Model

[ENG\\_CVM\\_CVM\\_1558676-3\\_B.3d\\_igs.zip](#)



English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_1558676-3\\_B.3d\\_stp.zip](#)

English

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

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**Datasheets & Catalog Pages**

[T9G Data Sheet](#)

English

[PB 30A PCB Relay T9G Series](#)

English

[T9G Branded Card](#)

English

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**Product Specifications**

[Definitions General Purpose Relays](#)

English

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**Agency Approvals**

[VDE Certificate](#)

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