

T9GS5L24-12

✓ ACTIVE

Potter & Brumfield | Potter & Brumfield T9G

TE Internal #: 1558675-3

General Purpose Power Relay, DC, Monostable, 1 Form C SPDT-CO, 20 A Contact Rating, 12 VDC Coil Voltage, Potter & Brumfield T9G

[View on TE.com >](#)



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



Relay & Contactor Type: **General Purpose Power Relay**

Current Type: **DC**

Coil Magnetic System: **Monostable**

Contact Arrangement: **1 Form C SPDT-CO**

Contact Current Rating: **20 A**

[All PCB Power Relay: 30 amp, Monostable DC \(60\)](#)

Features

Product Type Features

|                        |                             |
|------------------------|-----------------------------|
| Relay & Contactor Type | General Purpose Power Relay |
|------------------------|-----------------------------|

Configuration Features

|                         |                            |
|-------------------------|----------------------------|
| Contact Number of Poles | 1                          |
| Coil Special Features   | UL Coil Insulation Class F |
| Contact Arrangement     | 1 Form C SPDT-CO           |

Electrical Characteristics

|                                                     |             |
|-----------------------------------------------------|-------------|
| Insulation Initial Dielectric Between Open Contacts | 1500 Vrms   |
| Contact Switching Voltage (Max)                     | 480 VAC     |
| Contact Switching Load (Min)                        | 100mA @ 12V |
| Coil Resistance                                     | 160 Ω       |
| Contact Current Rating                              | 20 A        |
| Coil Voltage Rating                                 | 12 VDC      |



|                                                       |           |
|-------------------------------------------------------|-----------|
| Contact Voltage Rating                                | 250 VAC   |
| Coil Power Rating DC                                  | .9 W      |
| Insulation Initial Dielectric Between Contacts & Coil | 4000 Vrms |

Body Features

|                |                                                    |
|----------------|----------------------------------------------------|
| Product Weight | 23 g[.812 oz]                                      |
| Enclosure Type | Flux Resistant Automatic Solder Capable & Washable |

Contact Features

|                  |       |
|------------------|-------|
| Contact Material | AgSnO |
|------------------|-------|

Termination Features

|                                    |                                      |
|------------------------------------|--------------------------------------|
| Main Termination & Connection Type | Quick Connect Terminals, Solder Pins |
| Coil Termination & Connection Type | Solder Pins                          |

Mechanical Attachment

|                               |               |
|-------------------------------|---------------|
| Product Mounting Feature Type | Locating Post |
| Product Mount Type            | Board Mount   |

Dimensions

|                |                |
|----------------|----------------|
| Product Width  | 25 mm[.984 in] |
| Product Length | 32 mm[1.26 in] |
| Product Height | 27 mm[1.06 in] |

Usage Conditions

|                                         |                            |
|-----------------------------------------|----------------------------|
| Operating Temperature Range             | -40 – 105 °C[-40 – 221 °F] |
| Environmental Category of Protection    | RTIII                      |
| Environmental Ambient Temperature (Max) | 105 °C[221 °F]             |

Operation/Application

|                      |            |
|----------------------|------------|
| Current Type         | DC         |
| Coil Magnetic System | Monostable |

Packaging Features

|                  |               |
|------------------|---------------|
| Packaging Method | Carton & Tube |
|------------------|---------------|

Other

|                           |                      |
|---------------------------|----------------------|
| Coil Power Rating Class   | .8 – 1 W             |
| Contact Current Class     | 10 – 20 A, 20 – 30 A |
| Height Class (Mechanical) | 25 – 30 mm           |



|                           |            |
|---------------------------|------------|
| Length Class (Mechanical) | 30 – 35 mm |
| Width Class (Mechanical)  | 20 – 25 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)<br>Candidate List Declared Against: JAN 2025 (247)<br>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 # 1969900-1  
250 FASTON HSG.,FLAG,REC.,2 POS, NATRUAL



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



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

Also in the Series

Potter & Brumfield T9G

DC Relays(60)

Electromechanical Relays(60)

Customers Also Bought

TE Part #1623198-1  
CRG0805 1% 33R

TE Part #7-1879208-1  
CPF 0402 8K2 0.1% 25PPM 1K RL

TE Part #350874-3  
UMNL SOK 18-14 .0125 PTPPHBZ

TE Part #4-1676480-5  
CRG0402 1% 2K7

TE Part #5175475-1  
CHAMP 050 BTB REC V 20P W/LEG

TE Part #3-5100147-0  
Z-PACK,TYPE A, RA REC.110P

TE Part #926869-3  
UNIV-MNL SOCKET 1

TE Part #3-5352068-0  
Z-PACK/A RAF 110P

TE Part #ZPF000000000003652  
726-8003-17

TE Part #1-1825027-2  
FSMRA4JHA04=R/A,TACT PB SW,260



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_1558675-3\_B.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_1558675-3\_B.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_1558675-3\_B.3d\_stp.zip

English

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

Datasheets & Catalog Pages

PB 30A PCB Relay T9G Series

English

T9G Data Sheet

English

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

VDE Certificate

English