T9GV5L24-18 ✔ ACTIVE

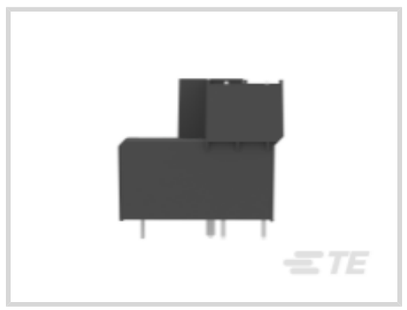
Potter & Brumfield | Potter & Brumfield T9G

TE Internal #: 1558670-5

General Purpose Power Relay, DC, Monostable, 1 Form C SPDT-CO, 20 A Contact Rating, 18 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	360 Ω
Contact Current Rating	20 A
Coil Voltage Rating	18 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

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	RTII
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) Candidate List Declared Against: JAN 2025 (247) 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 # 1969656-1
250 FASTON HSG.,FLAG,REC.,1 POS, NATRUAL

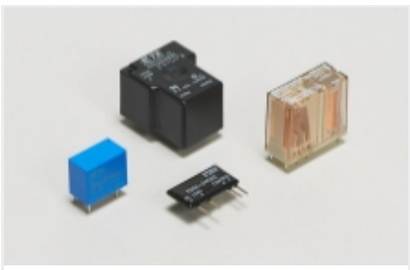
TE Part # 2238270-1
HSG, RECEP, 250 FASTON FLAG, 3P, T9G

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

Also in the Series | Potter & Brumfield T9G



General Purpose Power Relays(60)

PCB Relays(60)

Customers Also Bought

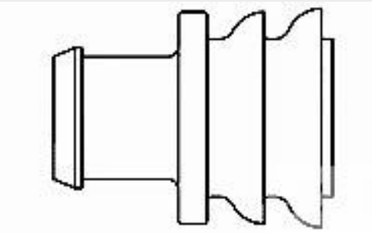
TE Part #CAT-D48-ST273
DEUTSCH Solid Contacts

TE Part #CAT-D487-W416
Wedgelocks: DEUTSCH DT

TE Part #DT06-2S
PLG, 2P, GRY, N

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

TE Part #CAT-AM71-CH8172
AMP SUPERSEAL 1.5MM, CONNECTOR HOUSING



TE Part #281934-2
SINGLE WIRE SEAL

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

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1558670-5_B.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1558670-5_B.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1558670-5_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