T9AS1D12-110 ✔ ACTIVE

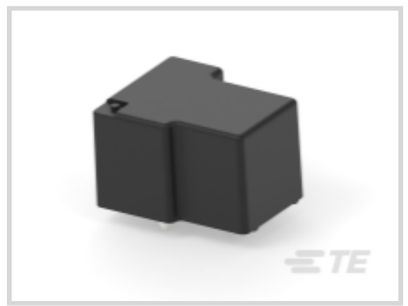
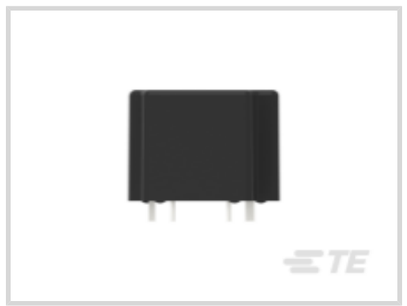
Potter & Brumfield | Potter & Brumfield T9A

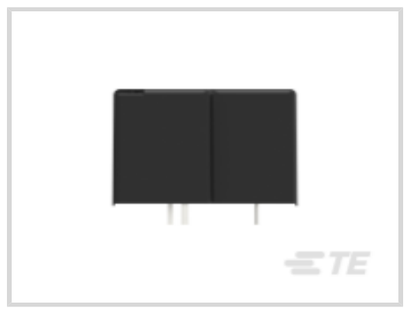
TE Internal #: 1-1393210-2

General Purpose Power Relay, DC, Monostable, 1 Form A SPST-NO, 30 A Contact Rating, 110 VDC Coil Voltage, Potter & Brumfield T9A

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 A SPST-NO**

Contact Current Rating: **30 A**

All PCB Power Relay: 30 Amp, Monostable DC (57)

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 A SPST-NO

Electrical Characteristics

Contact Limiting Short-Time Current	30 A
Contact Limiting Making Current	30 A
Contact Limiting Continuous Current	30 A
Contact Limiting Breaking Current	30 A
Insulation Initial Dielectric Between Open Contacts	1500 Vrms
Insulation Initial Dielectric Between Adjacent Contacts	1500 Vrms

Coil Current	.009 A
Contact Switching Voltage (Max)	277 VAC
Contact Switching Load (Min)	1000mA @ 5V
Coil Resistance	12100 Ω
Insulation Initial Resistance	1000 MΩ
Contact Current Rating	30 A
Coil Voltage Rating	110 VDC
Contact Voltage Rating	277 VAC
Coil Power Rating DC	1 W
Insulation Initial Dielectric Between Contacts & Coil	2500 Vrms

Body Features

Product Weight	26 g[.918 oz]
Primary Product Color	Black
Enclosure Type	Flux Resistant Automatic Solder Capable & Washable

Contact Features

Contact Material	Silver Cadmium Oxide

Termination Features

Main Termination & Connection Type	Solder Pins
Coil Termination & Connection Type	Solder Pins

Mechanical Attachment

Product Mount Type	Board Mount

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	32.51 mm[1.28 in]
Product Height	20.4 mm[.803 in]

Usage Conditions

Operating Temperature Range	-55 – 85 °C[-67 – 185 °F]
Environmental Category of Protection	RTIII
Environmental Ambient Temperature (Max)	85 °C[185 °F]

Operation/Application

Solder Process	Wave Solder Capable
Current Type	DC
Coil Magnetic System	Monostable

Packaging Features

Packaging Method	Box & Tray, Package

Other

Coil Power Rating Class	.8 – 1 W
Contact Current Class	16 A
Environmental Ambient Temperature Class	70 – 85 °C
Height Class (Mechanical)	25 – 30 mm
Length Class (Mechanical)	30 – 35 mm
Width Class (Mechanical)	25 – 30 mm

Product Compliance

For compliance documentation, visit the product page on TE.com>

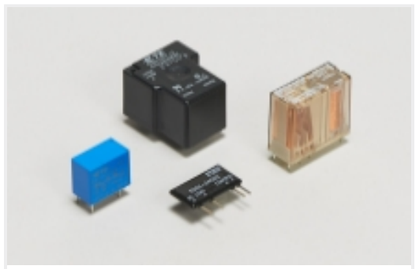
EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2025 (247) Candidate List Declared Against: JAN 2025 (247) SVHC > Threshold: Cadmium oxide (3.18% in 4637986) **Article Safe Usage Statements:** 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	Wave solder capable to 260°C

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 # CAT-SCH691-T1
PCB Power Relay: 30 Amp, Monostable DC

Also in the Series | Potter & Brumfield T9A



General Purpose Power Relays(57)

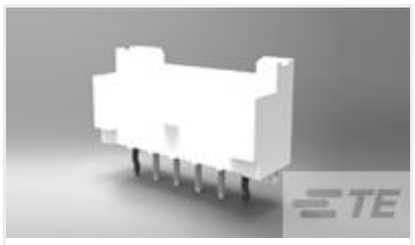
PCB Relays(47)

Customers Also Bought

TE Part #2-1617031-4
HFW1201K46M = M39016/6-209M

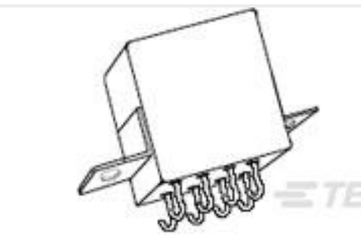
TE Part #3-2176094-2
RP 2A 0.25W 255K 0.1% 25PPM 1K RL

TE Part #1-292230-6
1.5 MINI CT SGL V SMT W/BOSS 1



TE Part #1744418-4
4 POS EP 2.5 HDR, GLOW WIRE

TE Part #5553811-1
ASSY,EMI RCPT,24 POSN,SCR LK

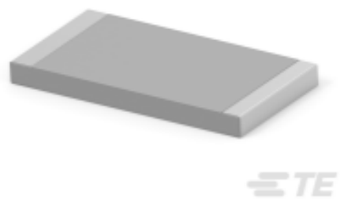


TE Part #9-1617748-8
FCA-210-0923M=M83536/9-023M

TE Part #2-2176070-8
3521 130R 1% 2W

TE Part #7-1625890-7
2W SM M/OX 5% 330K

TE Part #5406526-1
INV MJ ASSY,1X2



TE Part #3-2176331-6
CRGP 2512 8K2 1%

Documents

CAD Files

Customer View Model

ENG_CVM_CVM_1-1393210-2_K1.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_1-1393210-2_K1.3d_igs.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1-1393210-2_K1.2d_dxf.zip

English

Datasheets & Catalog Pages

T9A Relay Datasheet

English

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

Agency Approval Document

English