T9AV5L12-12 ✔ ACTIVE

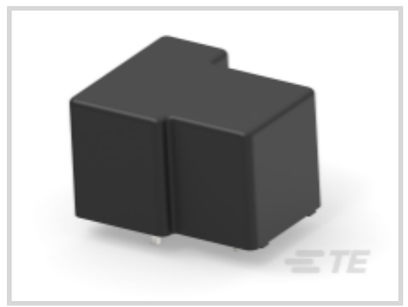
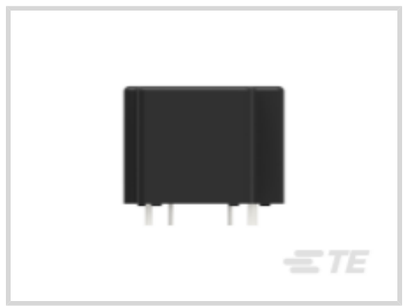
Potter & Brumfield | Potter & Brumfield T9A

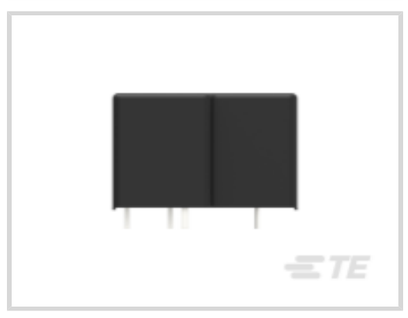
TE Internal #: 1423091-6

General Purpose Power Relay, Monostable, .9 W Coil, 155 ohm Coil Resistance, UL Coil Insulation Class F, Potter & Brumfield T9A, Power Relays

View on TE.com >

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

Relay Type: **General Purpose Power Relay**

Coil Magnetic System: **Monostable**

Coil Power Rating DC: **.9 W**

Coil Resistance: **155 Ω**

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

All PCB Power Relay: 30 Amp, Monostable DC (67)

Features

Product Type Features

Relay Type	General Purpose Power Relay

Configuration Features

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

Electrical Characteristics

Coil Current	.076 A
Insulation Initial Dielectric Between Open Contacts	1500 Vrms
Contact Limiting Making Current	20 A
Contact Limiting Short-Time Current	20 A
Contact Limiting Continuous Current	20 A
Insulation Initial Dielectric Between Adjacent Contacts	1500 Vrms

Insulation Initial Dielectric Between Contacts & Coil	2500 Vrms
Insulation Initial Resistance	1000 MΩ
Contact Limiting Breaking Current	20 A
Coil Power Rating DC	.9 W
Coil Resistance	155 Ω
Coil Voltage Rating	12 VDC
Contact Current Rating	20 A
Contact Switching Load (Min)	1000mA @ 5V
Contact Switching Voltage (Max)	277 VAC
Contact Voltage Rating	277 VAC

Body Features

Enclosure Type	Sealed
Primary Product Color	Black
Product Weight	26 g[.918 oz]

Contact Features

Contact Plating Material	AgCdO
Contact Material	AgCdO

Termination Features

Relay Connection Type	PCB Termination
Terminal Configuration	Solder Pins

Mechanical Attachment

Product Mount Type	Printed Circuit Board

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

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

Operation/Application

Current Type	DC
Solder Process	Wave Solder
Coil Magnetic System	Monostable

Packaging Features

Packaging Method	Box & Tray, Bundle

Other

Length Class (Mechanical)	30 – 35 mm
Environmental Ambient Temperature Class	70 – 85 °C
Height Class (Mechanical)	20 – 25 mm
Coil Power Rating Class	.8 – 1 W
Width Class (Mechanical)	25 – 30 mm
Contact Current Class	16 A

Product Compliance

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

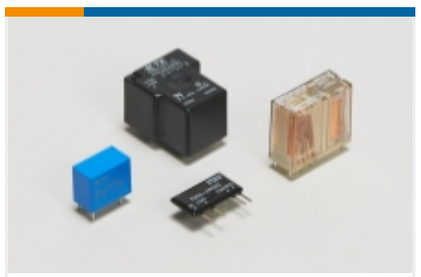
EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) SVHC > Threshold: Cadmium oxide (10% in Component Part) **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 # 4-1423091-8
T9AV5L12-24

Also in the Series | Potter & Brumfield T9A

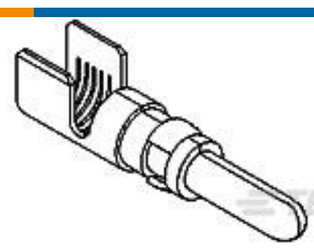


Power Relays(67)

Customers Also Bought

TE Part #5413194-2
BNC, RT ANG, PCB, JACK

TE Part #1-1419104-7
T9AS1D22-12



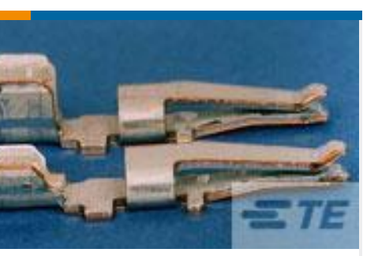
TE Part #213841-2
POWERBAND PIN CNT

TE Part #350735-1
12P UMNL PLUG HSG

TE Part #556137-1
HSG,AMPINNERGY WTW,1 POS, WHITE

TE Part #1-1393194-9
T77V1D10-12

TE Part #4-1419108-2
RTE44012F



TE Part #556136-1
CONT,AMPINNRGY WTW,STRIP,10-12

Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_1423091-6_K.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_1423091-6_K.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_1423091-6_K.3d_stp.zip

English

Datasheets & Catalog Pages

T9A Relay Datasheet

English

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

Agency Approval Document

English