

# T9SV1K15-12S ✓ ACTIVE

Potter & Brumfield

TE Internal #: 2027395-3

General Purpose Power Relay, Monostable, 2.25 W Coil, 64 ohm Coil Resistance, UL Coil Insulation Class F, 12 VDC Coil Voltage, Power Relays

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Relays & Contactors > Relays > Power Relays



Relay Type: **General Purpose Power Relay**

Coil Magnetic System: **Monostable**

Coil Power Rating DC: **2.25 W**

Coil Resistance: **64  $\Omega$**

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

## Features

### Product Type Features

Relay Type	General Purpose Power Relay
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### Configuration Features

Contact Special Features	1.8mm Contact Gap
Coil Special Features	UL Coil Insulation Class F
Contact Arrangement	1 Form A SPST-NO
Contact Number of Poles	1

### Electrical Characteristics

Coil Current	.188 A
Insulation Initial Dielectric Between Open Contacts	2500 Vrms
Contact Limiting Making Current	35 A
Contact Limiting Short-Time Current	35 A
Contact Limiting Continuous Current	35 A
Insulation Initial Dielectric Between Adjacent Contacts	2500 Vrms
Insulation Initial Dielectric Between Contacts & Coil	4000 Vrms
Insulation Initial Resistance	1000 M $\Omega$
Contact Limiting Breaking Current	40 A
Coil Power Rating DC	2.25 W



Coil Resistance	64 $\Omega$
Coil Voltage Rating	12 VDC
Contact Current Rating	35 A
Contact Switching Voltage (Max)	30 VDC
Contact Voltage Rating	30 VDC

### Body Features

Primary Product Color	White
Product Weight	30 g[1.058 oz]

### Contact Features

Contact Plating Material	Silver Nickel
Contact Material	AgNi

### Termination Features

Relay Connection Type	PCB Termination
Terminal Configuration	Solder Pins

### Mechanical Attachment

Product Mount Type	Printed Circuit Board
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### Dimensions

Insulation Clearance Between Contact & Coil	3 mm[.118 in]
Insulation Creepage Between Contact & Coil	4 mm[.157 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	-40 – 85 °C[-40 – 185 °F]

### Operation/Application

Current Type	DC
Solder Process	Wave Solder
Coil Magnetic System	Monostable

### Packaging Features

Packaging Method	Tray
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## Other

Length Class (Mechanical)	30 – 35 mm
Environmental Ambient Temperature Class	70 – 85 °C
Height Class (Mechanical)	20 – 25 mm
Width Class (Mechanical)	25 – 30 mm
Contact Current Class	30 – 50 A

## 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 2024 (241) Candidate List Declared Against: JAN 2021 (211) Does not contain REACH SVHC
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.
Solder Process Capability	Not reviewed for solder process capability

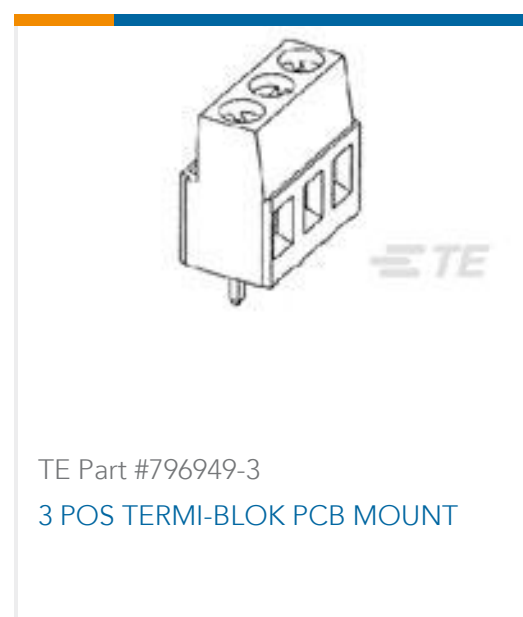
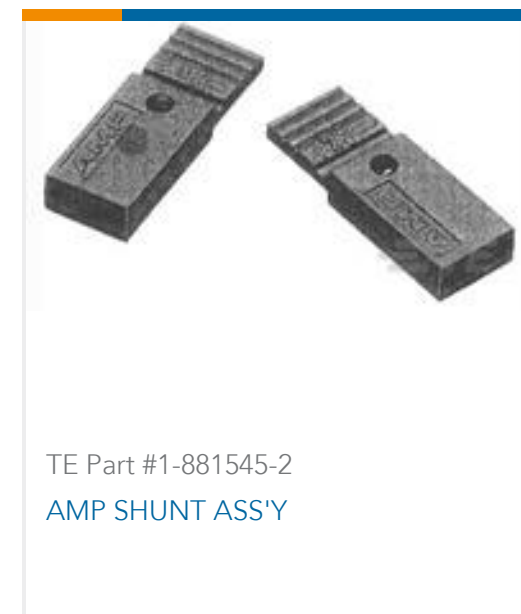
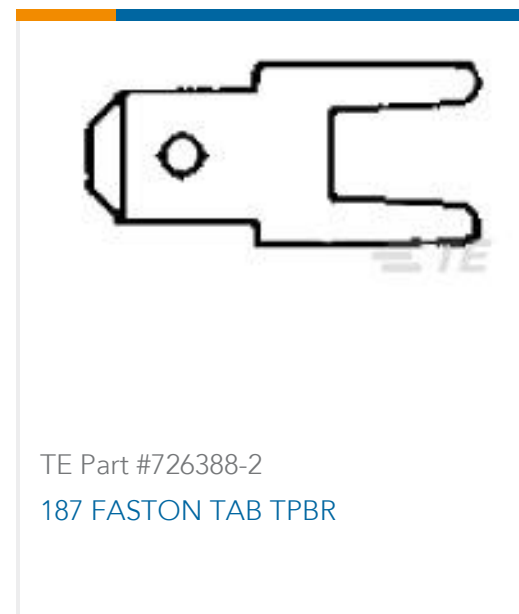
### Product Compliance Disclaimer

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



### Customers Also Bought



### Documents

#### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_2027395-3\\_E.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2027395-3\\_E.3d\\_stp.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2027395-3\\_E.2d\\_dxf.zip](#)



English

[3D PDF](#)

3D

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

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### Datasheets & Catalog Pages

[Potter & Brumfield Power PCB Relay-T9S](#)

English

[T9S Relay Datasheet](#)

English

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### Product Specifications

[Definitions General Purpose Relays](#)

English

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### Agency Approvals

[VDE Certificate](#)

English