T9SV1K15-12 ✔ ACTIVE

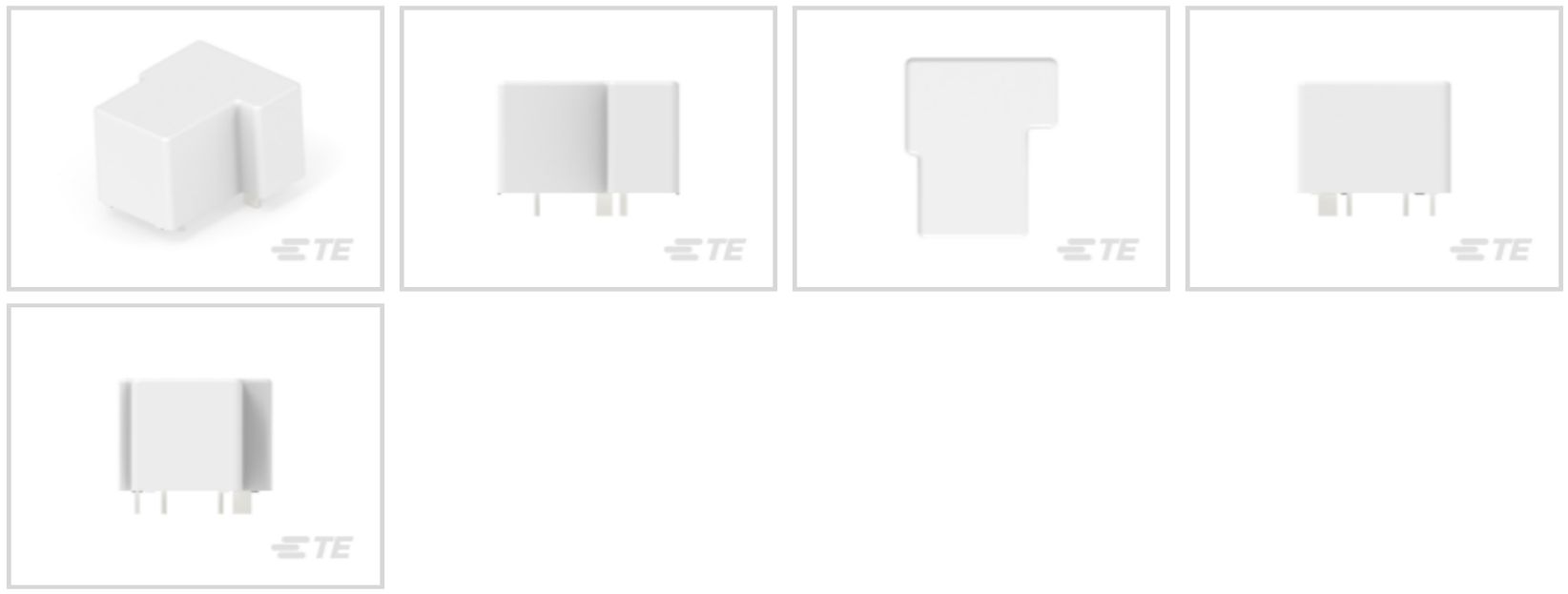
Potter & Brumfield

TE Internal #: 2027395-1

General Purpose Power Relay, DC, Monostable, 1 Form A SPST-NO, 35 A Contact Rating, 12 VDC Coil Voltage, 277 VAC Contact Voltage, 2.25 W Coil Power

View on TE.com >

Relays & Contactors > Electromechanical Relays



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

Coil Magnetic System: **Monostable**

Contact Arrangement: **1 Form A SPST-NO**

Current Type: **DC**

Contact Current Rating: **35 A**

Features

Product Type Features

Relay & Contactor Type	General Purpose Power Relay

Configuration Features

Contact Special Features	1.5mm Contact Gap
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	35 A
Contact Limiting Making Current	35 A
Contact Limiting Continuous Current	35 A
Contact Limiting Breaking Current	40 A
Insulation Initial Dielectric Between Open Contacts	2500 Vrms
Insulation Initial Dielectric Between Adjacent Contacts	2500 Vrms
Coil Current	.188 A

Contact Switching Voltage (Max)	277 VAC
Coil Resistance	64 Ω
Insulation Initial Resistance	1000 MΩ
Contact Current Rating	35 A
Coil Voltage Rating	12 VDC
Contact Voltage Rating	277 VAC
Coil Power Rating DC	2.25 W
Insulation Initial Dielectric Between Contacts & Coil	4000 Vrms

Body Features

Product Weight	30 g[1.058 oz]
Primary Product Color	White
Enclosure Type	Flux Resistant Automatic Solder Capable

Contact Features

Contact Material	AgNi

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 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

Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
Environmental Category of Protection	RTII
Environmental Ambient Temperature (Max)	85 °C[185 °F]

Operation/Application

Solder Process	Wave Solder Capable
Coil Magnetic System	Monostable

Current Type	DC

Packaging Features

Packaging Method	Tray

Other

Coil Power Rating Class	>1.5 – ≤3 W
Contact Current Class	>32 – ≤50 A
Height Class (Mechanical)	>16 – ≤22 mm[>.63 – ≤.866 in]
Length Class (Mechanical)	>22 – ≤33 mm[>.866 – ≤1.299 in]
Width Class (Mechanical)	>22 – ≤33 mm[>.866 – ≤1.299 in]

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 2025 (250) Candidate List Declared Against: JUNE 2025 (250) 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 # 2027395-3
T9SV1K15-12S

Customers Also Bought



TE Part #174258-7
ECONO-J MK-2 LOCK PLATE 4P



TE Part #350210-1
03P CMNL HDR ASSY PC NATL



TE Part #770520-6
AMPSEAL,TERMINAL,TIN PLATE,22-24AWG WIRE



TE Part #9-1393239-1
RT314005



TE Part #1452015-2
2X6UNS.FEM ASSY"B"



TE Part #8-1614881-8
CPF 0603 1K8 0.1% 25PPM 5K RL



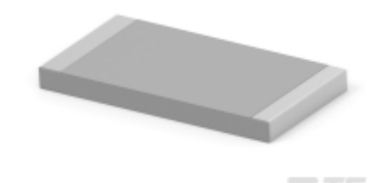
TE Part #8-1879337-8
CPF 0603 20K 1% 50PPM 1K RL



TE Part #2141861-1
MCON 1.2 LL REC SRC SN



TE Part #6-2176230-2
3522 100K 5% 3W



TE Part #2-2176331-7
CRGP 2512 1K5 1%

Documents

CAD Files

Customer View Model
ENG_CVM_CVM_2027395-1_G.3d_igs.zip

English

Customer View Model
ENG_CVM_CVM_2027395-1_G.3d_stp.zip

English

Customer View Model
ENG_CVM_CVM_2027395-1_G.2d_dxf.zip

English

3D PDF

3D

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

Datasheets & Catalog Pages

Datasheet - Ev Charging Relays Contactors

English

Potter & Brumfield Power PCB Relay-T9S

English

T9S Relay Datasheet

English

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

VDE Certificate

English