T9SV1K15-12 ✔ ACTIVE

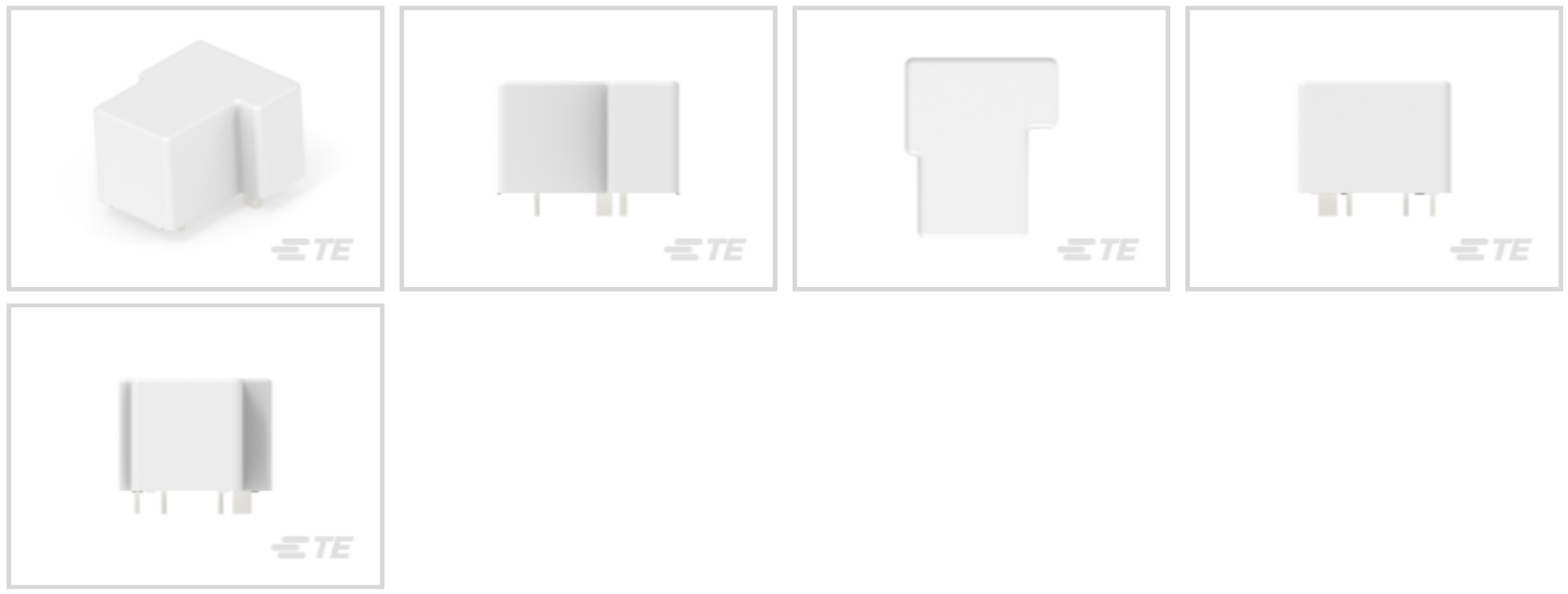
Potter & Brumfield

TE Internal #: 2027395-1

Power Relays, General Purpose Power Relay, Monostable, 2250 mW Coil Power Rating DC, 64 Ω Coil Resistance, UL Coil Insulation Class F

View on TE.com >

Relays & Contactors > Relays > Power Relays



Relay Type: **General Purpose Power Relay**

Coil Magnetic System: **Monostable**

Coil Power Rating DC: **2250 mW**

Coil Resistance: **64 Ω**

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

Features

Product Type Features

Relay Type	General Purpose Power Relay

Configuration Features

Contact Special Features	1.5mm Contact Gap
Coil Special Features	UL Coil Insulation Class F
Contact Arrangement	1 Form A (NO)
Contact Number of Poles	1

Electrical Characteristics

Coil Current	.188 A
Insulation Initial Dielectric Between Open Contacts	2500 Vrms
Contact Limiting Short-Time Current	35 A
Coil Power Rating	2.25 W
Output Voltage Rating (DC Relays)	0 – 30 VDC
Insulation Initial Dielectric Between Adjacent Contacts	2500 Vrms
Insulation Initial Resistance	1000 MΩ

Insulation Initial Dielectric Between Contacts & Coil	4000 Vrms
Contact Limiting Making Current	35 A
Contact Limiting Continuous Current	35 A
Output Voltage Rating (AC Relays)	0 – 277 Vrms
Input Voltage	0 – 12 VDC
Contact Limiting Breaking Current	40 A
Coil Power Rating DC	2250 mW
Coil Resistance	64 Ω
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

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

Actuating System	DC
Solder Process	Wave Solder
Output Switching	Random
Coil Magnetic System	Monostable

Packaging Features

Packaging Method	Tray

Other

Length Class (Mechanical)	30 – 35 mm
Insulation Initial Dielectric Between Coil & Contact Class	3500 – 4000 V
Height Class (Mechanical)	20 – 25 mm
Environmental Ambient Temperature Class	70 – 85 °C
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: JUNE 2022 (224) 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

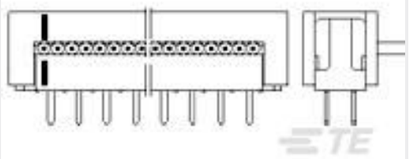


TE Part # 2027395-3
T9SV1K15-12S

Customers Also Bought



TE Part #9-1415006-1
RTH34012



TE Part #2-216093-0
AMP-LATCH PRE-ASSY DIL WITHO



TE Part #2127674-1
FFC JUMPER, .050 C/L, 20-COND,

TE Part #2355005-2
Honeywell Shield Frame

TE Part #2355006-2
Honeywell Shield Cover



TE Part #3-2176471-3
HPCR 0819 A 10% 470R Std T&R HV



TE Part #3-2176471-2
HPCR 0819 A 10% 68R Std T&R HV



TE Part #2-1623783-5
SQM7 22K 5% (METAL FILM) TRAY

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