T9SV1K15-12S ✔ ACTIVE

Potter & Brumfield

TE Internal #: 2027395-3

Power Relays, Standard, Monostable, DC, 2250 mW Coil Power Rating DC, 64 Ω Coil Resistance, UL Coil Insulation Class F, 12 VDC Coil Voltage

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Relays, Contactors & Switches > Relays > Power Relays

Power Relay Type: **Standard**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating DC: **2250 mW**

Coil Resistance: **64 Ω**

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

Features

Product Type Features

Enclosure Type	White Plastic Case
Power Relay Type	Standard

Configuration Features

Output Switching	Random

Electrical Characteristics

Insulation Initial Dielectric Between Coil & Contact Class	3500 – 4000 V
Input Voltage Typical	0 – 12 VDC
Output Current Rating	0 – 35 A
Actuating System	DC
Insulation Initial Dielectric Between Open Contacts	2500 Vrms
Contact Limiting Short-Time Current	35 A
Coil Power Rating	2.25 W
Insulation Creepage Class	3 – 5.6 mm
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

Output Voltage (Max)	277 V
Contact Limiting Making Current	35 A
Insulation Creepage Between Contact & Coil	4 mm[.157 in]
Contact Limiting Continuous Current	35 A
Output Voltage Rating (AC Relays)	0 – 277 Vrms
Contact Limiting Breaking Current	40 A
Coil Current	.188 A
Coil Magnetic System	Monostable, DC
Coil Power Rating DC	2250 mW
Coil Resistance	64 Ω
Coil Special Features	UL Coil Insulation Class F
Coil Voltage Rating	12 VDC
Contact Switching Voltage (Max)	30 VDC
Contact Voltage Rating	30 VDC

Body Features

Insulation Special Features	Tracking Index of Relay Base PTI325
Product Weight	30 g[1.058 oz]
Packaging Style	Panel Mount
Case Color	White

Contact Features

Contact Plating Material	Silver Nickel
Switch Arrangement	1 Form A (SPST-NO)
Contact Special Features	1.8mm Contact Gap
Contact Arrangement	1 Form A (NO)
Contact Current Class	30 – 50 A
Contact Current Rating (Max)	35 A
Contact Material	AgNi
Contact Number of Poles	1
Relay Terminal Type	PCB-THT

Termination Features

Relay Termination Type	Printed Circuit Terminals

Mechanical Attachment

Relay Mounting Type	Printed Circuit Board

Dimensions

Length Class (Mechanical)	30 – 35 mm
Height Class (Mechanical)	20 – 25 mm
Insulation Clearance Between Contact & Coil	3 mm[.118 in]
Insulation Clearance Class	2.5 – 4 mm
Width Class (Mechanical)	25 – 30 mm
Product Width	27.4 mm[1.079 in]
Product Length	32.5 mm[1.281 in]
Product Height	20.4 mm[.803 in]

Usage Conditions

Environmental Ambient Temperature (Max)	85 °C[185 °F]
Environmental Ambient Temperature Class	70 – 85 °C
Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]

Operation/Application

R-Switch & slimSSR Relays	No

Packaging Features

Packaging Method	Tray

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 2023 (235) 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

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 # 2027395-5
T9VV1K15-12S

TE Part # 2027395-1
T9SV1K15-12

TE Part # 2027395-6
T9SS1K15-12S

Customers Also Bought

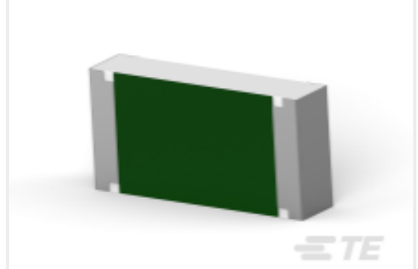
TE Part #5179031-1
0.8FH,P08H.5,040,08/Sn,TU

TE Part #1-917337-5
DYNAMIC D-3 VERTI. HDR ASSY 2P

TE Part #647878-1
SERIES 50 & 75 CONTACT,8 AWG

TE Part #1-881545-2
AMP SHUNT ASS'Y

TE Part #1742303-1
250 FASTON,PCB TAB,TNBR



TE Part #1-2176399-9
3502 8K2 5%

TE Part #6-2176327-0
CRGP 0805 820K 1%

TE Part #5415025-2
JACK, RTANG, PCB, 50 OHM, BNC

TE Part #920-635-001
CEL 7026 LP S

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

Datasheets & Catalog Pages

Potter & Brumfield Power PCB Relay-T9S

English

T9S Relay Datasheet

English

Product Specifications

Definitions General Purpose Relays

English

Agency Approvals

VDE Certificate

English