

T9SV1K15-12

✓ ACTIVE

Potter & Brumfield

TE Internal #: 2027395-1

Power Relays, Standard, Monostable, DC, 2250mW Coil Power

Rating DC, 64Ω Coil Resistance, UL Coil Insulation Class F, 12VDC

Coil Voltage Rating

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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
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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	1.5mm 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
Terminal Type	PCB-THT

Termination Features

Relay Termination Type	Printed Circuit Terminals
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Mechanical Attachment

Relay Mounting Type	Printed Circuit Board
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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][-40 – 185 °F]

Operation/Application

R-Switch & slimSSR Relays	No
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Packaging Features

Packaging Method	Tray
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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: JAN 2021 (211) Candidate List Declared Against: JUN 2020 (209) SVHC > Threshold: Not Yet Reviewed
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 #1-1939638-4
DYNAMIC 1100 HDR ASSY



TE Part #1-440054-0
AMP HPI 2.0MM HEADERS



TE Part #1-770186-1
12P MINI UMNL ASSY VO SNAU LF



TE Part #1116503-2
MJ,10MM,8P,SHLD,NOPNL TABS,SN



TE Part #1-1761465-1
PCI Express RA assy 5.8mm slot 3.1 mm pc



TE Part #1-2176331-5
CRGP 2512 150R 1%



TE Part #1-6609113-4
CORCOM C SERIES MULTI-FUNCTION INLET FIL



TE Part #1-1415898-1
PCB Power Relay: 16 Amp, Inrush



TE Part #1-1623720-8
CCR2 68R 10% BULK



TE Part #W4SB
DEUTSCH DT WEDGELOCKS



Documents

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_2027395-1_F.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_2027395-1_F.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_2027395-1_F.3d_stp.zip

English

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

Datasheets & Catalog Pages

T9S Relay Datasheet

English

Industrial Relays Quick Reference Guide

English

Potter & Brumfield Power PCB Relay-T9S

English

Industrial Relays Quick Reference Guide

Japanese

Industrial Relays Quick Reference Guide

Product Specifications

Definitions, Handling, Processing, Testing and Use of Relays

English