

T9W1K15-12S

✓ ACTIVE

Potter & Brumfield

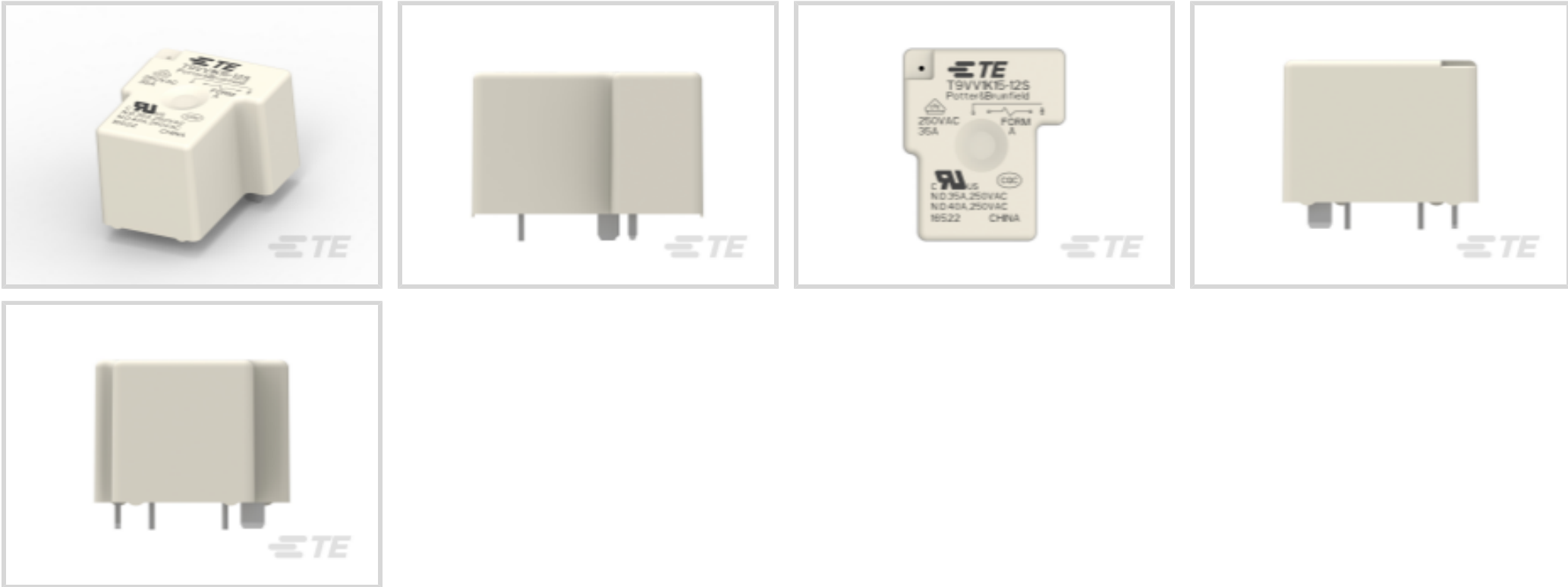
TE Internal #: 2027395-5

Power Relays, Standard, Monostable, 2250 mW Coil Power Rating
DC, 64 Ω Coil Resistance, UL Coil Insulation Class F, 12 VDC Coil
Voltage, 1 Form A (NO)

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Relays & Contactors > Relays > Power Relays



Coil Power Rating Class: 2000 - 3000 mW [2 - 3 VA]

Relay Type: **Standard**

Coil Magnetic System: **Monostable**

Coil Power Rating DC: 2250 mW

Coil Resistance: 64 Ω

Features

Product Type Features

Relay Type	Standard
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Configuration Features

Insulation Special Features	6000V Initial Surge Withstand Voltage between Contacts & Coil
Coil Special Features	UL Coil Insulation Class F
Contact Arrangement	1 Form A (NO)
Contact Number of Poles	1

Electrical Characteristics

Output Current Rating	0 - 26 Arms
Coil Current	.188 A
Insulation Initial Dielectric Between Open Contacts	2500 Vrms
Coil Power Rating	2.25 W
Insulation Initial Dielectric Between Adjacent Contacts	2500 Vrms
Insulation Initial Resistance	1000 M Ω



Insulation Initial Dielectric Between Contacts & Coil	4000 Vrms
Output Voltage (Max)	277 V
Contact Limiting Making Current	40 A
Contact Limiting Continuous Current	40 A
Output Voltage Rating (AC Relays)	0 - 277 Vrms
Output Current (Min)	1 A
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	40 A
Contact Switching Load (Min)	1A @ 5V
Contact Switching Voltage (Max)	30 VDC
Contact Voltage Rating	30 VDC

Body Features

Enclosure Type	Sealed
Primary Product Color	Black
Product Weight	26.6 g[.939 oz]

Contact Features

Contact Plating Material	Silver Nickel
Contact Material	AgNi90/10

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	3.5 mm[.138 in]
Insulation Creepage Between Contact & Coil	4 mm[.142 in]
Product Width	27.43 mm[1.08 in]
Product Length	32.51 mm[1.28 in]



Product Height	20.4 mm[.803 in]
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Usage Conditions

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
Output Current Type	AC
Coil Magnetic System	Monostable

Packaging Features

Packaging Method	Tray
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Other

Length Class (Mechanical)	30 - 35 mm
Insulation Initial Dielectric Between Coil & Contact Class	2500 - 3000 V
Insulation Creepage Class	3 - 5.5 mm
Height Class (Mechanical)	25 - 30 mm
Environmental Ambient Temperature Class	70 - 85 °C
Insulation Clearance Class	2.5 - 4 mm
Coil Power Rating Class	2000 - 3000 mW[2 - 3 VA]
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: JAN 2024 (240) Candidate List Declared Against: JUNE 2023 (235) Does not contain REACH SVHC
Halogen Content	Not Yet Reviewed for halogen content
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



TE Part # 2027395-3
T9SV1K15-12S



TE Part # 2027395-9
T9VV1K19-12

Customers Also Bought



TE Part # 1-2333149-0
DYNAMIC 1100D REC HSG 20P X BLACK 33% GF



TE Part # 1-1649357-3
RTH34012



TE Part # 1-2379284-0
D1100 HDR ASSY H 20P XBLACK PRE-TIN



TE Part # 1649357-4
RTH14012



TE Part # 1-1871315-7
D1100D HDR ASSY V 34PX Pre-TIN



TE Part # 1-2349949-2
DYNAMIC 1200D REC HSG 4P X BLACK GF33%



TE Part # 1-2478656-0
DYNAMIC 1100D HDR ASSY V 20PX BLACK TIN



TE Part # 2071546-1
T9S-9001

Documents

- CAD Files
- Customer View Model
- ENG_CVM_CVM_2027395-5_D.3d_igs.zip
- English



Customer View Model

[ENG_CVM_CVM_2027395-5_D.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_CVM_2027395-5_D.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

[Power PCB Relay T9V OBC](#)

English

[Power PCB Relay T9V Solar](#)

English

[Power PCB Relay T9V Solar](#)

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[Power PCB Relay T9V OBC](#)

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[P&B relay T9V series flyer](#)

English

Agency Approvals

[VDE Certificate](#)

English