

T9W1K15-12S ✓ ACTIVE

Potter & Brumfield

TE Internal #: 2027395-5

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

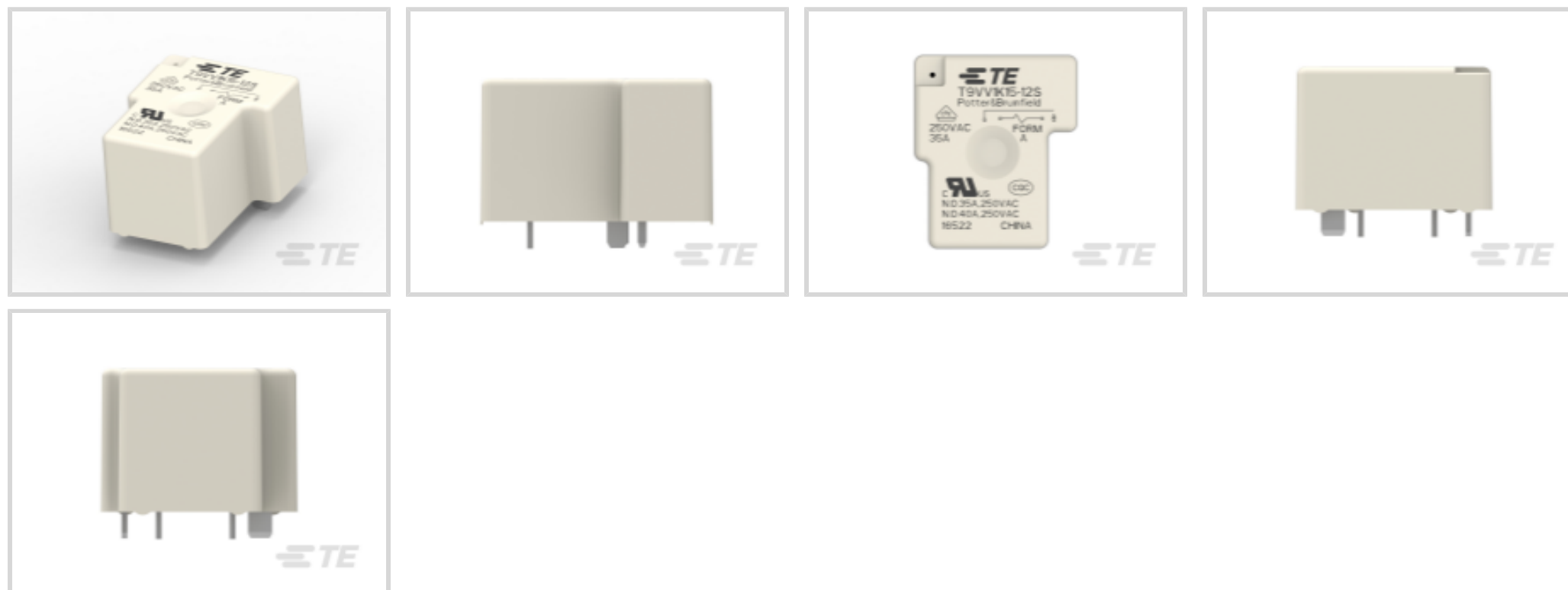
Rating DC, 64 Ω Coil Resistance, UL Coil Insulation Class F, 12 VDC

Coil Voltage

[View on TE.com >](#)



Relays, Contactors & Switches > Relays > Power Relays



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

Power Relay Type: **Standard**

Coil Magnetic System: **Monostable, DC**

Coil Power Rating DC: **2250 mW**

Coil Resistance: **64 Ω**

Features

Product Type Features

Enclosure Type	Sealed
Output Type	AC
Power Relay Type	Standard

Configuration Features

Output Switching	Random
------------------	--------

Electrical Characteristics

Insulation Initial Dielectric Between Coil & Contact Class	2500 – 3000 V
Input Voltage Typical	0 – 6 VDC
Output Current Rating	0 – 26 Arms
Actuating System	DC
Insulation Initial Dielectric Between Open Contacts	2500 Vrms
Coil Power Rating	2.25 W
Insulation Creepage Class	3 – 5.5 mm
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
Insulation Creepage Between Contact & Coil	4 mm[.142 in]
Contact Limiting Continuous Current	40 A
Output Voltage Rating (AC Relays)	0 – 277 Vrms
Output Current (Min)	1 A
Coil Power Rating Class	2000 – 3000 mW[2 – 3 VA]
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 Load (Min)	1A @ 5V
Contact Switching Voltage (Max)	30 VDC
Contact Voltage Rating	30 VDC

Body Features

Insulation Special Features	6000V Initial Surge Withstand Voltage between Contacts & Coil
Product Weight	26.6 g[.939 oz]
Packaging Style	Panel Mount
Case Color	Black

Contact Features

Contact Plating Material	Silver Nickel
Switch Arrangement	1 Form A (SPST-NO)
Contact Arrangement	1 Form A (NO)
Contact Current Class	30 – 50 A
Contact Current Rating (Max)	40 A
Contact Material	AgNi90/10
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)	25 – 30 mm
---------------------------	------------

Insulation Clearance Between Contact & Coil	3.5 mm[.138 in]
---	-----------------

Insulation Clearance Class	2.5 – 4 mm
----------------------------	------------

Product Width	27.43 mm[1.08 in]
---------------	-------------------

Product Length	32.51 mm[1.28 in]
----------------	-------------------

Product Height	24.2 mm[.95 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]
-----------------------------	---------------------------

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 2022 (223) 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



Customers Also Bought



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](#)

English

[Power PCB Relay T9V OBC](#)

English

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

English

Product Environmental Compliance

[Product Compliance](#)

English

[Product Compliance](#)

English

Agency Approvals

[VDE Certificate](#)

English