

POTTER & BRUMFIELD POWER PCB RELAY T9V SERIES

TE Connectivity (TE)'s Potter & Brumfield Power PCB relay T9V series is primarily designed for electrical vehicle charging stations, charging cables and for photovoltaic inverter applications. The extended contact gap (> 1.8 mm) of this relay provides improved isolation and allows usage in higher elevation environments. Other applications include stand by power units, washing machines and dryer disconnections. The T9V series relay is UL recognized, VDE, TÜV and CQC approved and allows coil holding voltage reduction down to 4.7 V.



Applications

- Electrical vehicle loading stations
- Electrical vehicle charging cables
- Photovoltaic inverter
- Stand by power units
- Washing machines
- Dryers

Electrical

- Contact gap: >1.8mm
- Rated current: 40A
- Rated voltage: 250VAC

Mechanical

- 1 form A (NO) contact, 40 A
- 350mW hold power
- Ambient temperature up to 85°C at 35 A

Specifications

- VDE 40030974
- UL E58304
- CQC 16002145203
- TÜV R50369970

Materials

- Contact material: Silver Nickel

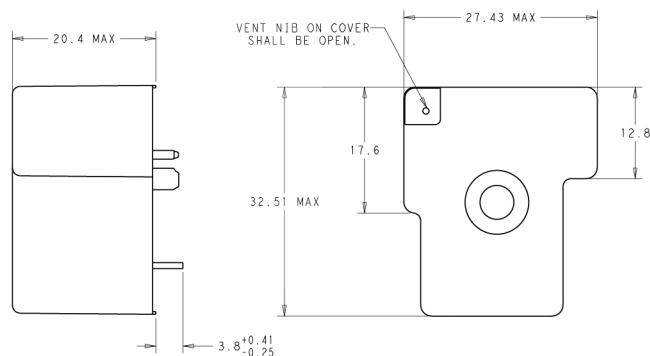
Benefits

- Provide an ideal solution for disconnect switch applications (safety)
- Enable high current switching (9 kW single and 27 kW 3 phase solar inverters)
- Provide a solution for cadmium-free application requirements
- Achieve improved isolation with extended contact gap (1.8 mm)
- Allow for coil holding voltage reduction down to 4.7 V

Product Selection Information

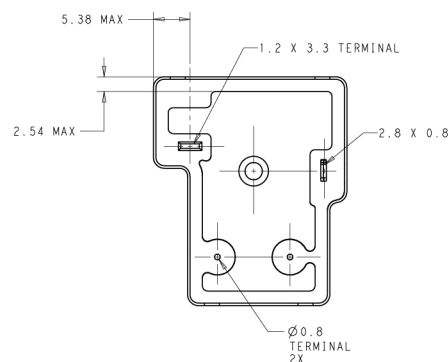
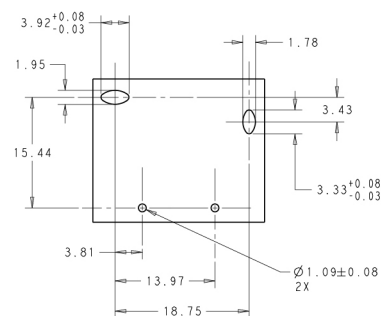
Part Number	Description	Contact arrangement	Contact Material	Contact Gap	Coil
2027395-5	T9VV1K15-12S	1 form A (NO) contact	AgNi	>1.8mm	12VDC

Dimensions

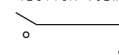


PCB layout / terminal assignments

Bottom view on solder pins



WIRING DIAGRAM
(BOTTOM VIEW)



1 FORM A

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