



## POTTER & BRUMFIELD POWER PCB RELAY T9S

TE Connectivity (TE)'s Potter & Brumfield Power PCB relay T9S series is primarily designed for electrical vehicle charging stations, power supply and for photovoltaic inverter applications. The extended contact gap (> 2.1 mm) of this relay provides improved isolation and dielectric strength, which enables usage in high elevation environment. The Potter & Brumfield Power PCB relay T9S is a high performing quality relay, that is safe and reliable.

### BENEFITS

- Enables customer power-upgraded inverters, power supply or other equipment to switch successfully and safely
- High carrying capability with small space saving size
- Low temperature rise and energy loss by PWM or low voltage holding

### KEY FEATURES

- 1.5mm/1.8mm/2.1mm contact gap version for selection
- Low temperature rise
- High switching capability at 40A

# Potter & Brumfield Power PCB relay T9S

## APPLICATIONS

- Electrical vehicle charging
- Photovoltaic inverter
- Power Supply
- Electrical vehicle

## MATERIALS

- Ag alloy (Cd free)

## ELECTRICAL

- 35A, 277VAC, resistive, 50k cycles
- 40A, 30VDC, resistive, 60k cycles
- 40A, 250VAC, resistive, 20k cycles

## MECHANICAL

- PCB Terminal

## SPECIFICATIONS

- -40°C-105°C
- Contact gap >1.5mm/1.8mm/2.1mm

## STANDARDS

- IEC 61810-1
- UL508, GB/T 21711.1

## Part Number List

Product code	Version	Contact arrangement	Contact material	Contact gap	Coil	Part Number
T9SV1K18-12T	PCB, flux proof	1 form A (NO) contact	Ag alloy	>2.1mm	12VDC	<a href="#">2027395-7</a>
T9SV1K15-12				>1.5mm		<a href="#">2027395-1</a>
T9SV1K15-12S				>1.8mm		<a href="#">2027395-3</a>

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