

Input Fusing for DCDC-Converter from TP

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Input Fusing and Safety Considerations.

The DCDC-converter-series from TP have not an internal fuse. However, to achieve maximum safety and system protection, always use an input line fuse. We recommended a time delay fuse. [Figure1](#) circuit is recommended by a Transient Voltage Suppressor diode across the input terminal to protect the unit against surge or spike voltage and input reverse voltage.

Example 1

- Over Current Protection and Reverse Input Voltage Protection:
Using Fuse and Shunt Diode (TVS)
- Input Over Voltage Protection :
Using Transient Voltage Suppressors

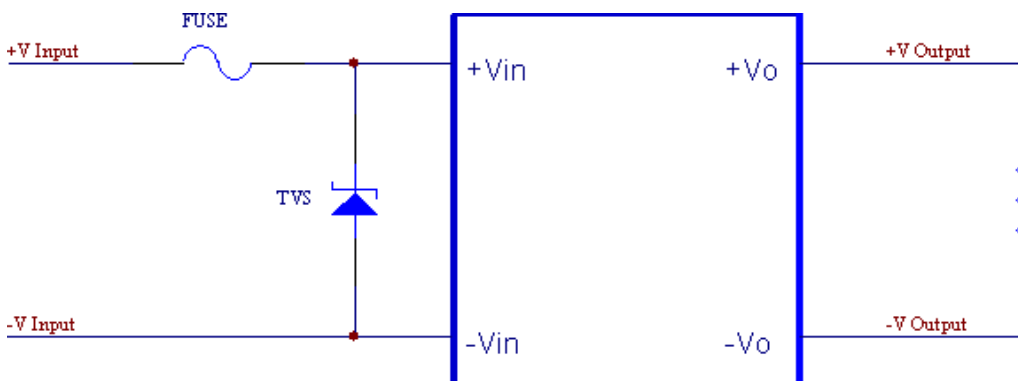


Figure1. Input Protection

Example 2

- Reverse Input Voltage Protection:
Using Series Diode (Recommended Schottky Diode)

