



Application

This DC surge protective device is applied low voltage standard IEC EN 61643-11 to protect against DC power line system and other equipment from over voltage an instantaneous over voltage damage. Widely used in photovoltaic combiner box, power inverter, DC distributor cabinet etc. It has advantages of large discharge current fast response time, low residual voltage. Max. PV voltage up to Up ≤ 1200V dc.

Main Features

- 1. High discharge capacity, quick response, module pluggable;
- 2. Fast response time, DIN rail installation;
- 3. Double thermal disconnection devices, provide more reliable protection;
- 4. Green window means normal, red means defect, need to change module;
- 5. Remote alarm terminal optional.
- 6. T2 surge protection.

Model	TZG40-PV			
Test standard	IEC/EN 61643-11; GB/T18802.11			
IEC test classification	T2/Class II			
Max. PV voltage (Uc pv)	600VDC	800VDC	1000VDC	1200VDC
Nominal discharge current(8/20 μ s)	20kA			
Maximum discharge current(8/20 μ s)	40kA			
Poles	2P	2P	2P	3P
Voltage protection level Up	≤3.2kV	≤3.2kV	≤3.2kV	≤4.0kV
Response time Ta	25ns			
Connecting cable	4mm²(L-N); 6mm²(PE)			
Method of installation	35mm Din Rail			
Type of remote signaling contact	Switching contact(Optional)			
	C+NC: Normally closed			
	C+NO: Normally open			
Switching capacity	C: Common contact			
	DC: 250V/0.1A, 125V/0.2A, 75V/0.5A			
	Max. 1.5mm solid / flexible			
Cross-sectional area for remote signal contact	Max. 1.5mm solid / flexible			
Operating temperature range	40℃...+80℃			