

High-Energy AC Surge Protection Module

DS150VG



Citel's DS150VG is designed to protect against direct and indirect effects of lightning. The device is extremely rugged for application in high lightning density areas where the risk of heavy surge current or even direct strikes is a serious concern. It can be configured for both single and three phase networks.

This DS150VG is designed to withstand 15kA (10/350us) which is similar to a direct lightning strike. The unique MOV-GDT hybrid design produces no follow current (I_f) after the surge and no leakage current in stand-by mode. The residual voltage produced is less than 600V.

The DS150VG is UL recognized and is equipped with a thermal disconnection mechanism, remote alarm, and fault indicators.

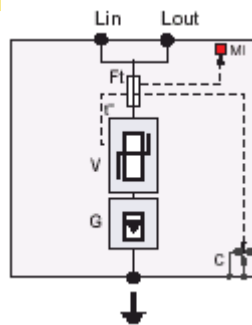
Standards & Guidelines

UL 1449 2nd Edition	USA
IEC 61643-11	International
ANSI/IEEE C62.41	USA
NFC 61740-95	France
VDE0675-6	Germany
CSA C22.2	Canada
CE Marked	European

OEM AC Surge Protection

- 40kA transient amps protection (8/20 μ s)
- 15kA transient amps protection (10/350 μ s)
- Suitable for installation on AC power lines
- Fault indicators and remote alarm
- 35mm DIN Rail mounting
- 10-Year warranty

Electrical Diagram



VN: High-duty reinforced varistors network
 GN: Heavy-duty gas tube network
 Ft: Thermal fuse
 C: Remote signaling contact
 t°: Thermal disconnection
 MI: Disconnection indicator

Specifications

Citel Model DS150VG	-120	-300
System Voltage	120/208V 120/240V	220/380V 240/415V 240V 277/480V
MCOV	150V	330V
I_{peak} 8/20 μ s	40kA	40kA
I_{peak} 10/350 μ s	15kA	15kA
ClampV @ 10kA	< 400V	750V
Leakage Current	< 2 mA	< 2 mA
Diagnostics	Fault indicator and remote alarm.	
Housing Materials	Polycarbonate UL94-5VA	
Operating Temperature	-40°C to +85°C	
Operating Altitude	13,000 ft (400m)	
Connection Method	Parallel	
Protection Type	MOV-GDT based	
Connection	screw terminals, 2.5-50mm ²	
Protection Modes	L-N; L-G; N-G; L-L	
Dimensions	90Hx36Wx67D (in mm)	