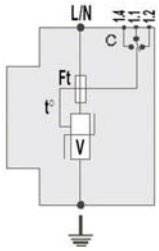
Main Service Entrance AC Surge Protection

SP 120

Citel's SurgePurge 120 model provides high-risk surge suppression capability at your facility's service entrance for both conducted (10/350µs) and induced (8/20µs) transient overvoltages originating from such sources as lightning strikes and utility switching. These protectors incorporate Citel's reliable ìhigh intensity modules with individually monitored and fused MOVs. Designed to various national and international standards the SurgeGuard is ideal as a global protection solution.

Branch Panel Protection

- 120kA transient amps protection (8/20µs)
- 5kA transient amps protection (10/350µs)
- Heavy-duty busbar, modular construction
- Multi-redundant protection circuit per phase
- Full On-Board Diagnostics— Dual stage fault indicators and remote alarm.
- 60A, 200kAIC fused disconnect switch (option)
- 10-Year warranty



V: High-energy varistor
Ft: Thermal fuse
C: Remote signaling contact
t°: Thermal disconnection
MI: Disconnection indicator

Applications

- Large sub-distribution panels
- Branch panels without upstream protection
- Feeder panels with sensitive electronics

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

Characteristics

Citel Model SP120	-120Y -120T	-240Y -240D	-277Y -347Y	-480D
System Voltage	120/208V	240/415V	277/480V	480V
	120/240V	240V	347/600V	
MCOV	150V	250V	330V	550V
	150V	250V	480V	
Ipeak 8/20µs	120kA	120kA	120kA	120kA
Ipeak 10/350µs	5kA	5kA	5kA	5kA
ClampV @ 10kA*	605V	865V	975V 1310V	1570V
ClampV @ 500A*	385V	645V	735V 970V	1415V
Diagnostics	Dual stage fault indicators, remote alarm,			
	and audible alarm.			
Housing Materials	NEMA 4/12			
Operating Temperature	-40°C to +85°C			
Operating Altitude	13,000 ft (4,000m)			
Connection Method	Parallel			
Protection Type	MOV-GDT based hybrid			
Connection	screw terminals, up to #2 AWG			
Protection Modes	L-N, L-G, N-G, L-L			
Dimensions	15Hx15Wx7.5D (in inches)			

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