

Local Panel AC Surge Protector

M40/M18



Citel's M40/M18 compact, low profile surge protectors are designed to protect local distribution panels, OEM control panels, PLC's, and SCADA systems against transient surge events. These devices are installed parallel to the AC network and provide robust surge handling capability. The M40 is available for all three phase applications and is rated at 40kA (8/20 μ s) transient amps per phase. The M18 is a single phase device with a transient amp rating of 36kA (8/20 μ s).

The M40 and M18 are pre-wired and installed via a case molded back nipple. Installation can be performed in less than 5 minutes. Power up the device and front panel LEDs provide instant visual status indication.

Local Panel Protection

- 40kA transient amps protection (8/20 μ s) - M40
- 36kA transient amps protection (8/20 μ s) - M18
- Parallel installed
- Thermal fusing
- Power present LED indicator
- All modes of protection

Specifications

Citel Model	M40	M18
System Voltage	120/208V 240/415V 240V 277/480V 347/600V 480V	120/240V
Application	<600V	120V
I _{peak} (8/20 μ s)	40kA	36kA
ClampV @ 5kA	1700V	625V
Response Time	<5 nanosec.	<5 nanosec.
Diagnostics	Power present LED indicator.	
Housing Materials	NEMA 4X	
Operating Temperature	-40°C to +70°C	
Operating Altitude	13,000 ft (400m)	
Connection Method	Parallel	
Protection Type	MOV based	
Connection	#12 AWG Stranded Wire	
Protection Modes	L-N	
Dimensions	3.0Hx3.60Wx3.39D (in inches)	

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

