D50-CM
120/240VAC Surge Protective Device

DITEK's D50-CM is a durable, cost-effective hybrid designed Surge Protective Device (SPD) suitable for use in Type 1 and Type 2 locations for a variety of applications. It is typically used in outdoor installations to protect pumps, motors, HVAC condensers and incoming utility power. Backed by a ten year warranty, the D50-CM is an excellent choice for effective, economical surge protection.

Product Features

- Robust 50kA/Phase surge current capacity
- Hybrid design with SAD and TP MOV™ technology provides an optimal surge solution.
- NEMA 4X weatherproof enclosure
- Parallel connection for easy installation
- Does not require a circuit breaker for installation
- Diagnostic LED provides positive indication of power, ground presence and surge protection
- Automatically resets to handle multiple surge events

Applications

- Electrical Meter Can
- AC Disconnect
- Small Electrical Panels
- Pool/Well Pumps
- Irrigation Equipment
- Motors
- Farm Equipment
- Lighting Fixtures
- Traffic Signaling Devices
- HVACR Controls

Technical Specifications

Service Voltage:	120/240VAC Split Phase
MCOV:	150/300V
Protection Modes:	L – G, L – L
Voltage Protection Rating:	700V (L – G) - 1,200V (L – L)
Surge Current Rating:	50,000 Amps per phase
SCCR:	100,000 Amps
Nominal Discharge Current Rating (I_n):	20kA
Operation Frequency:	50/60 Hz

Mechanical Characteristics

Connection Method:	¾" NPT fitting
Housing:	Polycarbonate
Operating Temperature:	-31°F - 185°F (-35°C - 85°C)
Maximum Humidity:	95% non-condensing
Dimensions:	3.80"L x 3.50"W x 1.60"H 96.5mm x 88.9mm x 40.6mm)
Weight:	0.5 LB

Quality, Standards & Approval

Agency Approvals:	UL1449, cUL
SPD Type:	Type 1 SPD, cUL Type 2 Canada
Warranty:	Ten Year Limited Warranty