



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 a variety of applications. It is typically used in outdoor installations to protect pumps, motors, HVAC condensers and incoming utility power. Backed by a 10 year warranty, the D50-CM is an excellent choice for effective, economical surge protection.



Product Features

- Robust 50,000 Amps per Phase surge current capacity
- Hybrid design with SAD and TPMOV™ technology provides an optimal surge solution
- NEMA 4X weatherproof enclosure
- Parallel connection for easy installation
- Diagnostic LED provides positive indication of system power and SPD function
- Automatically resets to handle multiple surge events
- UL96A Lightning Protection Compliant
- 5 Year \$10,000 Residential Connected Equipment Warranty

Applications

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

Technical Specifications

Voltage Configuration:	120/240VAC Split Φ
MCOV:	150V/300V
Protection Modes:	L-G, L-L
Voltage Protection Rating:	700V L-G, 1200V L-L
Surge Current Rating:	50,000A / Phase
SCCR:	100,000A
Nominal Discharge Current Rating (I_n):	20kA
Operating Frequency:	50/60Hz

Mechanical Specifications

Connection Method:	$\frac{3}{4}$ " NPT Male 18-inch 12 AWG Leads
Housing:	NEMA 4X Polycarbonate
Operating Temperature:	-31°F – 185°F (-35°C – 85°C)
Maximum Humidity:	95% non-condensing
Dimensions:	3.80" L X 3.5" W x 1.6" H (96.5 mm x 89 mm x 40.6 mm)
Weight:	0.5 lb (0.23 kg)

Quality Standards & Approvals

Certifications:	UL1449 4 th Edition CSA C22.2 No. 269.1-17
SPD Type:	Type 1
Warranty:	10 Year Limited Warranty

