



D50FM Series 50kA Surge Protective Device

DITEK's D50FM Industrial Surge Protectors are designed to provide protection to AC power systems in the most demanding environments. The D50 Series incorporates individually fused components for maximum performance and protection. Available in a wide range of voltage configurations, the compact D50FM is an excellent choice for recessed electrical panel protection.

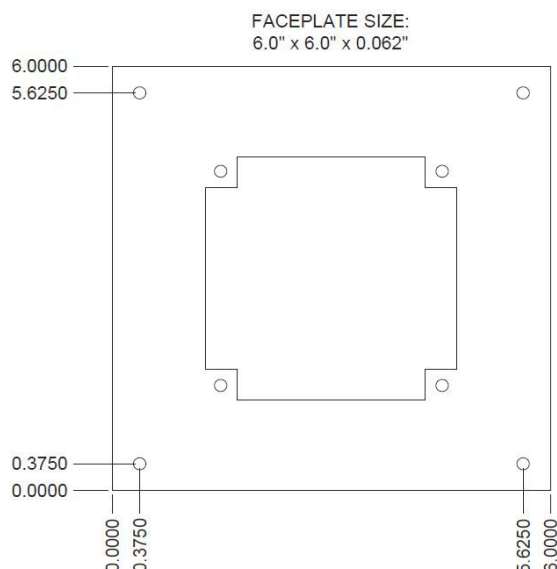


Product Features

- 50,000 Amps per Phase surge current rating ensures long service life
- Flush mount plate and flexible metal conduit for mounting next to recessed electrical panels
- Diagnostic LED provides positive indication of system power and SPD function
- UL96A Lightning Protection Compliant (D50-120/2083YFM only)
- Available in 7 voltage configurations

Applications

- Recessed Electrical Service Panels



Technical Specifications

Voltage Configurations:	See Chart on Page 2
Surge Current Rating:	50,000A / Phase 25,000A / Mode
SCCR:	100,000A
Operating Frequency:	50/60Hz

Mechanical Specifications

Connection Method:	½" NPT Male Flexible Conduit 30-inch 12 AWG Leads
Housing:	Polycarbonate
Operating Temperature:	-31°F – 104°F (-35°C – 40°C)
Maximum Humidity:	95% non-condensing
Dimensions:	6.0" L X 6.0" W x 2.4" H (152 mm x 152 mm x 61 mm)
Weight:	1.2 lb (0.5 kg)

Quality Standards & Approvals

Certifications:	UL1449 5 th Edition CSA C22.2 No. 269.1-14
SPD Type:	Type 1
Warranty:	10 Year Limited Warranty





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Part Number	Service Voltage	Service Configuration	MCOV	UL In Rating	Voltage Protection Rating (VPR)			
					L-G	L-L	L-N	N-G
D50-120/2083YFM	120/208VAC 127/220VAC	Three Φ Wye (4W + G)	150V/300V	20kA	1000V	1200V	600V	600V
D50-120/240HLFM	120/240VAC	Three Φ High Leg Delta (4W + G)	150V/300V 320V/470V	10kA	1000V HL-G 1500V	1200V HL-L 1200V	600V HL-N 1200V	600V
D50-2401FM	240VAC	Single Φ (2W + G)	320V	10kA	1200V	N/A	1200V	2000V
D50-277/4803YFM	277/480VAC 220/380VAC 230/400VAC 240/415VAC	Three Φ Wye (4W + G)	320V/640V	10kA	2000V	2000V	1200V	1200V
D50-347/6003YFM	347/600VAC	Three Φ Wye (4W + G)	420V/840V	10kA	2500V	2500V	1500V	1500V
D50-2403DFM	240VAC	Three Φ Delta (3W + G)	320V/630V	10kA	1200V	2000V	N/A	N/A
D50-4803DFM	480VAC	Three Φ Delta (3W + G)	550V/1100V	10kA	1800V	4000V	N/A	N/A