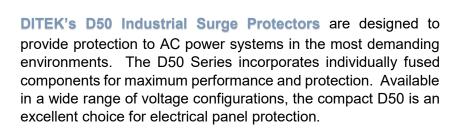
## **D50 Series** 50kA Surge Protective Device





### **Product Features**

- 50,000 Amps per Phase surge current rating ensures long service life
- Compact size enables close mounting to the protected panel to minimize wire length and maximize performance
- Diagnostic LED provides positive indication of system power and SPD function
- UL96A Lightning Protection Compliant (D50-120/2401 and D50-120/2083Y models)
- Available in 8 voltage configurations

#### **Applications**

- Branch Panel
- Small Disconnects and Service Panels

#### Note

 For flush mount models, see D50FM Series data sheet

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:	3/4" NPT Male 30-inch 12 AWG Leads				
Housing:	NEMA 4X Polycarbonate				
Operating Temperature:	-31°F – 185°F (-35°C – 85°C)				
Maximum Humidity:	95% non-condensing				
Dimensions:	4.63" L X 3.80" W x 2.62" H (117.6 mm x 96.5 mm x 67 mm)				
Weight:	1.2 lb (0.5 kg)				

Quality Standards & Approvals					
Certifications:	UL1449 4 <sup>th</sup> Edition CSA C22.2 No. 269.1-14				
SPD Type:	Type 1				
Standards Compliance:	ANSI/IEEE C62.41 and C62.45 Category B & C3				
Warranty:	10 Year Limited Warranty				

# **D50 Series** 50kA Surge Protective Device

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