

# D50 Series

50kA / Ø, 25kA / Mode - Surge Protective Device



## Product Features

- 50,000 Amp 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 indicates system power and SPD function
- Available in 8 voltage configurations

## Applications

- Branch Panel
- Small Disconnects and Service Panels

## Accessories

- Flush Mount Kit: D50-FMK

**DITEK's D50 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 D50 is an excellent choice for electrical panel protection

## Technical Specifications

<b>Service Voltage:</b>	Single, split & three phase configurations. See Chart
<b>Surge Current Rating:</b>	50,000 Amps per phase, 25,000 Amps per mode
<b>SCCR:</b>	100,000A
<b>Operating Frequency:</b>	40Hz – 400Hz

## Mechanical Characteristics

<b>Connection Method:</b>	½" NPT conduit, watertight fittings
<b>Housing:</b>	NEMA 4X
<b>Operating Temperature:</b>	-40°F - 140°F (-40°C - 60°C)
<b>Maximum Humidity:</b>	95% non-condensing
<b>Dimensions:</b>	3.5"Lx 2.4"W x 3.5"H (89mm x 61mm x 89mm)
<b>Weight:</b>	1.2 lb. (.5kg)

## Quality, Standards & Approval

<b>Agency Approvals:</b>	UL1449 Listed, cUL
<b>SPD Type:</b>	SPD Type 1 (US), SPD Type 2 (Canada)
<b>Standards Compliance:</b>	ANSI/IEEE C62.41 and C62.45 Category B and C3
<b>Warranty:</b>	Ten Year Limited Warranty

Every precaution has been taken to ensure that this literature is accurate and complete. DITEK Corporation assumes no responsibility and disclaims all liability for damages resulting from the use of this information or for any errors or omissions.



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Part Number	Service Voltage	Service Configuration	MCOV	UL I <sub>n</sub> Rating	Voltage Protection Rating (VPR)			
					L-G	L-L	L-N	N-G
D50-120/2401 D50-120/240HD	120/240VAC	Split Ø (3W + G)	150V/300V	20kA	1000V	1200V	600V	600V
D50-120/2083Y D50-127/2203Y	120/208VAC	Three Ø Wye (4W + G)	150V/300V	20kA	1000V	1200V	600V	600V
D50-120/240HL	120/240VAC	Three Ø High Leg Delta (4W + G)	150V/320V	10kA	1000V HL-G 1500V	1200V HL-L 1500V	600V/ HL-N 1200V	600V
D50-2401 D50-240HW	240VAC	Single Ø (2W + G)	320V	10kA	1200V	N/A	1200V	2000V
D50-277/4803Y D50-220/3803Y D50-230/4003Y D50-240/4153Y	277/480VAC	Three Ø Wye (4W + G)	320V/640V	10kA	2000V	2000V	1200V	1200V
D50-347/6003Y	347/600VAC	Three Ø Wye (4W + G)	420V/840V	10kA	2500V	2500V	1500V	1500V
D50-2403D	240VAC	Three Ø Delta (3W + G)	320V/640V	10kA	1200V	2000V	N/A	N/A
D50-4803D	480VAC	Three Ø Delta (3W + G)	550V/1100V	10kA	1800V	4000V	N/A	N/A

