



D50 Series

*50kA/Φ, 25kA/Mode Surge Protective Device
General Product Specifications*

DITEK's D50 industrial surge protectors are designed to provide protection to AC power systems in the most demanding environments. The D50 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.



D50

Product Features

- Suitable for use on branch panels and small disconnects
- Compact size enables close mounting to the protected panel to minimize wire length and maximize performance
- 50,000 Amp peak surge current capacity ensures long service life
- Available in 8 voltage configurations
- Diagnostic LED indicates system power and SPD function
- Complies with ANSI/IEEE C62.41 and C62.45 Category B and C3 standards
- Ten year limited warranty

Specifications

Agency Approvals: UL 1449, 3rd Edition, cUL
IEEE Location Category: Category B and C3
Protector Type: SPD Type 1 (US), Type 2 (Canada)
Peak Surge Current: 50kA/Phase, 25kA/Mode
Short Circuit Current Rating: 100,000A
Protection Modes: See Chart
Temperature Range: -40° – 140°F (-40° – 60°C)
Maximum Humidity: 95% non-condensing
Operating Frequency: 40Hz – 400Hz
Housing: NEMA 4X
Dimensions: 3.5”H x 3.5”W x 2.4”D
(89mm x 89mm x 61mm)
Connection: ½” NPT conduit, watertight fittings
Weight: 1.2lb. (.5kg)
Options: Flush Mount Kit, D50-FMK
Dimensions: 5.0” x 5.0” Plate (127mm x 127mm)



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D50 Surge Protection

Dimensions:

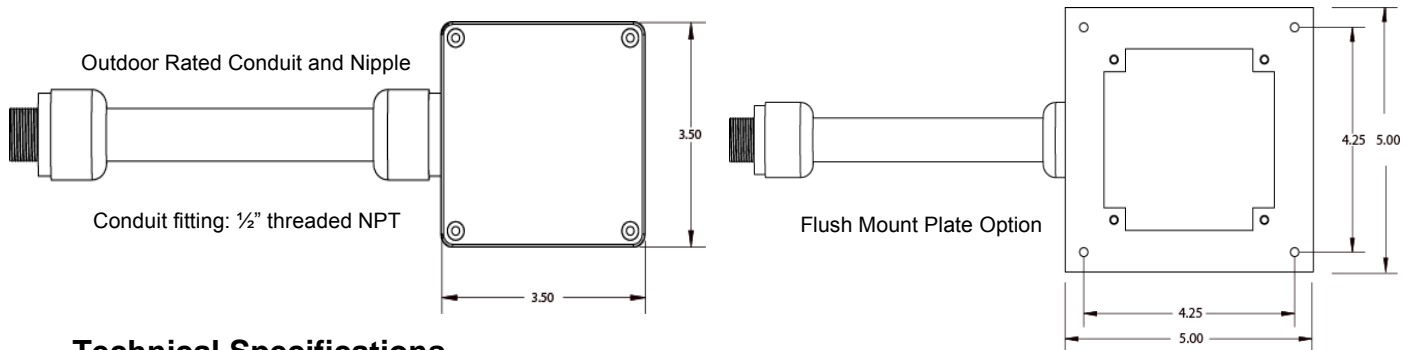
3.5"H x 3.5"W x 2.4"D
(89mm x 89mm x 61mm)

Option Codes:

Flush Mount Kit:
D50-FMK

Ordering Example:

D50-120/2083Y: D50 for 50kA,
3 Wye for 4W+G, 120/208V system



Technical Specifications

D50 Series	Service Wiring	MCOV	UL 3 rd Ed. I _n Rating	UL 1449, 3 rd Edition Voltage Protection Rating (VPR)			
				L-N	L-G	N-G	L-L
D50-120/2401 D50-120/240HD	120/240VAC Split Φ	150V/300V	20kA	600V	1000V	600V	1200V
D50-120/2083Y D50-127/2203Y	120/208VAC Three Φ Wye	150V/300V	20kA	600V	1000V	600V	1200V
D50-120/240HL	120/240VAC Three Φ High Leg Delta	150V/320V	10kA	600V/ HL 1200V	1000V HL-G 1500V	600V	1200V HL-L 1500V
D50-2401 D50-240HW	240VAC SINGLE Φ	320V	10KA	1200V	1200V	2000V	N/A
D50-277/4803Y D50-220/3803Y D50-230/4003Y D50-240/4153Y	277/480VAC Three Φ Wye	320V/640V	10kA	1200V	2000V	1200V	2000V
D50-347/6003Y	347/600VAC Three Φ Wye	420/840V	10KA	1500V	2500V	1500V	2500V
D50-2403D	240VAC Three Φ Delta	320V	10kA	N/A	1200V	N/A	2000V
D50-4803D	480VAC Three Φ Delta	550V	10kA	N/A	1800V	N/A	4000V

