D100 Series

100kA Surge Protective Device



DITEK's D100 Series is designed to provide protection for AC power systems in the most demanding environments. It incorporates individually fused components for maximum performance and protection. Available in a wide range of voltage configurations, the compact D100 Series is an excellent choice for electrical panel protection.

PRODUCT FEATURES

- 100,000 amps per phase surge current rating ensures long service life
- Compact size enables close mounting to the protected panel
- Diagnostic LED provides positive indication of system power and SPD function
- NEMA 4X polycarbonate enclosure
- Available in 7 voltage configurations
- UL 1449 Listed Type 1 SPD

APPLICATIONS

- Distribution Panels
- Subpanels
- Disconnect Switches
- Commercial HVAC

ACCESSORIES

- Flush mount kit P/N DTK-FMKHD2

TECHNICAL SPECIFICATIONS	
Voltage Configurations:	See chart on page 2
Surge Current Rating:	100,000A per phase 50,000A per mode
Short Circuit Current Rating (SCCR):	100,000A
Operating Frequency:	50/60Hz
Status Indication:	LED
Recommended Circuit Breaker:	30A single or multi-pole

DITEK Surge Protection, Largo, FL 33771 • Sales: 800-753-2345
Diteksurgeprotection.com • SPS-100050-001 Rev 19 05/26

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Part Number	Voltage	Service	MCOV	I_n Rating	Voltage Protection Rating (VPR)			
					L-L	L-N	L-G	N-G
D100-120/2401	120/240Vac	Split Φ (3w + G)	150V/300V	20kA	1000V	600V	600V	900V
D100-120/2083Y	120/208Vac	Three Φ Wye (4w + G)	150V/300V	20kA	1000V	600V	600V	900V
D100-120/240HL	120/240Vac	Three Φ Delta High Leg (4w + G)	150V/300V 320V/470V	20kA	1000V 1800V	600V 1000V	600V 1200V	900V
D100-2403D	240Vac	Three Φ Delta (3w + G)	320V/640V	20kA	1800V	N/A	1200V	N/A
D100-277/4803Y	277/480Vac 220/380Vac 230/400Vac 240/415Vac	Three Φ Wye (4w + G)	320V/640V	20kA	1800V	1000V	1200V	1800V
D100-4803D	480Vac	Three Φ Delta (3w + G)	480V/960V	20kA	4000V	N/A	1800V	N/A
D100-6003D	600Vac	Three Φ Delta (3w + G)	840V/1680V	20kA	5000V	N/A	2500V	N/A

MECHANICAL SPECIFICATIONS	
Connection Method:	½" NPT non-metallic flexible conduit 30-inch 10 AWG wire leads
Housing:	NEMA Type 4X polycarbonate
Operating Temperature:	-31°F – 140°F (-35°C – 60°C)
Maximum Humidity:	95% non-condensing
Dimensions:	4.72 in. L x 4.72 in. W x 2.36 in. H (120 mm x 120 mm x 60 mm)
Weight:	2.2 lbs. (1.0kg)

SAFETY STANDARDS AND CERTIFICATIONS	
Certifications:	UL 1449 5th Edition Type 1 SPD CSA C22.2 No. 269.1-17, 2017-02 Type 1 SPD
Standards Compliance:	RoHS
Warranty:	10 Year Limited Warranty

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