



D100 Series 100kA Surge Protective Device

DITEK's D100 Industrial Surge Protectors are designed to provide protection to AC power systems in the most demanding environments. The D100 Series incorporates individually fused components for maximum performance and protection. Available in a wide range of voltage configurations, the compact D100 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 to minimize wire length and maximize performance
- Diagnostic LED provides positive indication of system power and SPD function
- UL96A Lightning Protection Compliant (all models except D100-6003D)
- Available in 7 voltage configurations

Applications

- Branch Panel
- Distribution Panel

Accessories

- Flush Mount Kit, p/n DTK-FMKHD2

Technical Specifications

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

Mechanical Specifications

Connection Method:	½" NPT Male Non-metallic Fitting 30-inch 10 AWG Leads
Housing:	NEMA 4X Polycarbonate
Operating Temperature:	-32°F – 104°F (0°C – 40°C)
Maximum Humidity:	95% non-condensing
Dimensions:	4.72" L X 4.72" W x 2.36" H (120 mm x 120 mm x 60 mm)
Weight:	2 lb (0.9 kg)

Quality Standards & Approvals

Certifications:	UL1449 4 th 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





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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
D100-120/2401	120/240VAC	Split Φ (3W + G)	150V/300V	20kA	600V	1000V	600V	900V
D100-120/2083Y	120/208VAC 127/220VAC	Three Φ Wye (4W + G)	150V/300V	20kA	600V	1000V	600V	900V
D100-120/240HL	120/240VAC	Three Φ High Leg Delta (4W + G)	150V/300V 320V/470V	20kA	600V HL-G 1200V	1,000V HL-L 1800V	600V HL-N 1000V	900V
D100-277/4803Y	277/480VAC 220/380VAC 230/400VAC 240/415VAC	Three Φ Wye (4W + G)	320V/640V	20kA	1200V	1800V	1000V	1800V
D100-2403D	240VAC	Three Φ Delta (3W + G)	320V/640V	20kA	1200V	1800V	N/A	N/A
D100-4803D	480VAC	Three Φ Delta (3W + G)	550V/1100V	20kA	1800V	4000V	N/A	N/A
D100-6003D	600VAC	Three Φ Delta (3W + G)	840V/1680V	10kA	2500V	5000V	N/A	N/A

