



D300M Series 300kA Modular Surge Protective Device

DITEK's D300M Industrial Surge Protectors are designed to provide professional-grade protection to AC power systems in the most demanding environments. Each model provides a high surge current rating to ensure long service life, and includes service assurance features that help alert building management of their current protection status so that managers can take action to maintain continued protection.



Product Features

- 300,000 Amps per Phase surge current rating to meet new construction bid/spec requirements for facility-wide protection
- Visual LED End of Life Indicator
 - Green = 67 to 100% Life
 - Yellow = 34 to 66% Life
 - Red = 0 to 33% Life
- Surge counter with reset button
- Audible alarm with silence button
- Form C dry contacts for remote monitoring
- Phase loss indication
- EMI/RFI filtering
- Replaceable SPD module
- UL96A Lightning Protection Compliant
- Available in 5 voltage configurations, with up to 10 modes of protection

Applications

- Service Entrance
- Distribution Panel

Accessories

- Replacement SPD Module: See chart on page 2
- Integral Disconnect Option: Use "T" suffix

Technical Specifications

Voltage Configurations:	See Chart on Page 2
Surge Current Rating:	300,000A / Phase 150,000A / Mode
SCCR:	200,000A
EMI/RFI Filtering:	Up to -50dB 10kHz to 100MHz
Operating Frequency:	50/60Hz

Mechanical Specifications

Connection Method:	Mechanical Lugs 8 AWG – 2 AWG
Housing:	NEMA 4
Operating Temperature:	-40°F – 185°F (-40°C – 85°C)
Maximum Humidity:	95% non-condensing
Dimensions:	13.52" L X 12.98" W x 6.29" H (343 mm x 330 mm x 160 mm)
Weight:	23 lb (10.4 kg)

Quality Standards & Approvals

Certifications:	UL1449 4 th Edition
SPD Type:	Type 1
Standards Compliance:	ANSI/IEEE C62.41.1, C62.41.2 and C62.45 Category B & C3 RoHS Compliant
Warranty:	10 Year Limited Warranty

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Part Number	Replacement SPD Module	Service Voltage	Service Configuration	MCOV	UL In Rating	Voltage Protection Rating (VPR)			
						L-G	L-L	L-N	N-G
D300M-120/2401	D300M-240SM	120/240VAC	Split Φ (3W + G)	150V/276V	20kA	800V	1500V	900V	700V
D300M-120/2083Y	D300M-208YM	120/208VAC 127/220VAC	Three Φ Wye (4W + G)	150V/239V	20kA	800V	1500V	900V	700V
D300M-277/4803Y	D300M-480YM	277/480VAC 220/380VAC 230/400VAC 240/415VAC	Three Φ Wye (4W + G)	320V/552V	20kA	1200V	2500V	1500V	800V
D300M-2403D	D300M-240DM	240VAC	Three Φ Delta (3W + G)	320V/320V	20kA	1200V	2500V	N/A	N/A
D300M-4803D	D300M-480DM	480VAC	Three Φ Delta (3W + G)	552V/552V	20kA	1800V	4000V	N/A	N/A

