D300MT Series

300kA Modular Type 1 Surge Protective Device w/ Integral Disconnect



DITEK's D300MT Series Industrial Surge Protectors with integral disconnect switch 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 ensures long service life
- Field-replaceable surge protection module
- Diagnostic LEDs provide MOV health status for each phase
- Surge counter w/ reset, audible alarm and Form C dry contacts for remote monitoring
- EMI/RFI filtering
- Phase loss indication
- UL 98 Integral Disconnect Switch included

APPLICATIONS

- Switchboard
- Service Entrance
- Distribution Panels

REPLACEMENT MODULES

- D300M-240SM for P/N D300M-120/2401T
- D300M-208YM for P/N D300M-120/2083YT
- D300M-480YM for P/N D300M-277/4803YT
- D300M-240DM for P/N D300M-2403DT
- D300M-480DM for P/N D300M-4803DT

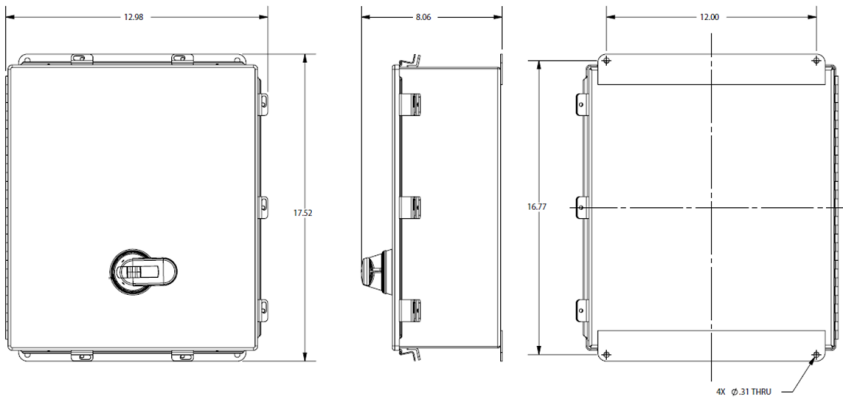
TECHNICAL SPECIFICATIONS	
Voltage Configurations:	See chart on page 2
Surge Current Rating:	300,000A per phase 150,000A per mode
Short Circuit Current Rating (SCCR):	200,000A
Operating Frequency:	50/60Hz
Status Indication:	LEDs per phase, Surge counter with reset, Audible alarm with disable, Form C dry contacts
EMI/RFI Filtering Attenuation:	Up to -50dB, 10kHz – 100MHz

Every precaution has been taken to ensure that this 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	Voltage	Service	MCOV	I_n Rating	Voltage Protection Rating (VPR)			
					L-L	L-N	L-G	N-G
D300M-120/2401T	120/240Vac	Split Φ (3w + G)	150V/276V	20kA	1500V	900V	900V	900V
D300M-120/2083YT	120/208Vac	Three Φ Wye (4w + G)	150V/239V	20kA	1500V	900V	900V	900V
D300M-2403DT	240Vac	Three Φ Delta (4w + G)	320V/320V	20kA	2500V	N/A	1200V	N/A
D300M-277/4803YT	277/480Vac	Three Φ Wye (4w + G)	320V/552V	20kA	2500V	1200V	1200V	800V
D300M-4803DT	480Vac	Three Φ Delta (3w + G)	552V/552V	20kA	4000V	N/A	1800V	N/A



MECHANICAL SPECIFICATIONS	
Connection Method:	Mechanical lugs 8 AWG – 1/0 AWG
Housing:	NEMA Type 4 steel
Operating Temperature:	-31°F – 185°F (-35°C – 85°C)
Maximum Humidity:	95% non-condensing
Dimensions:	12.98 in. L x 17.52 in. W x 8.06 in. H (330 mm x 445 mm x 205 mm)
Weight:	29 lbs. (13.15kg)

SAFETY STANDARDS AND CERTIFICATIONS	
Certifications:	UL 1449 5th Edition Type 1 SPD
Standards Compliance:	RoHS
Warranty:	10 Year Limited Warranty

DITEK Surge Protection, Largo, FL 33771 • Sales: 800-753-2345
Diteksurgeprotection.com • SPS-100099-004 Rev 9 05/26

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MADE IN USA

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