

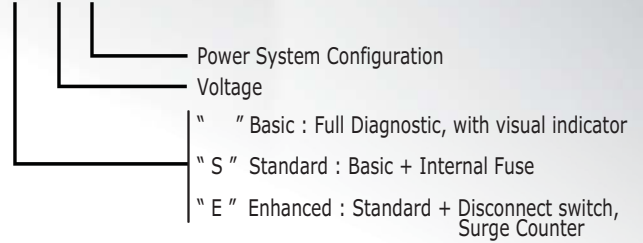
Data Sheet

AC Power Panel Surge Protection Device (SPD) MDS 300 Series

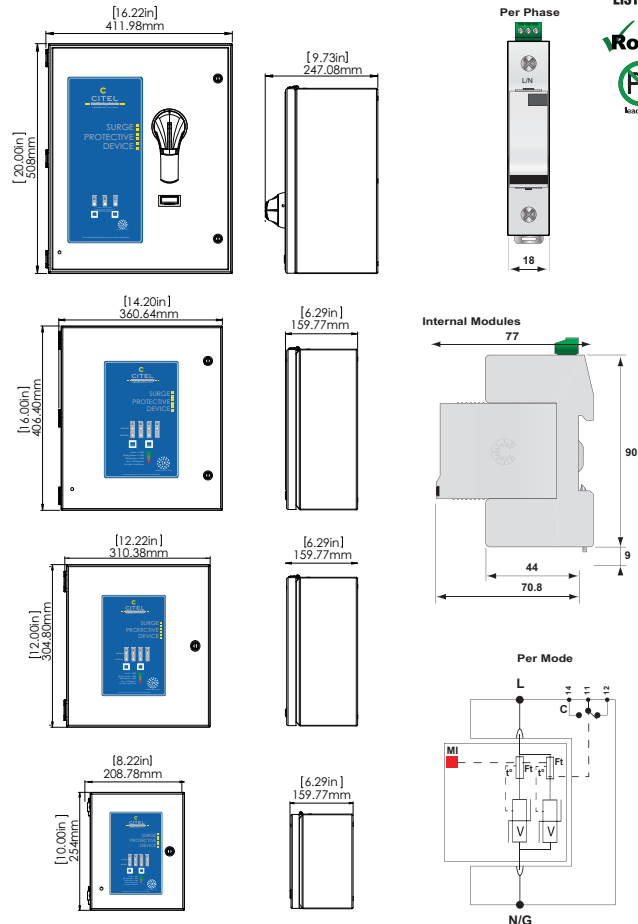


- **UL 1449 4th Edition**
- **UL Type 1/Type 2 (SPD)**
- **Real Time Diagnostics**
- **Optional Integrated Disconnect**
- **I_{total} 8/20 μs: 300 kA**
- **I_{total} 10/350 μs: 22 kA**
- **Pluggable module for each mode**

MDS300x-yyyz



Dimensions and Diagram



Characteristics

CITEL Part Number	MDS300				
Suffix	-120T -120Y	-220Y -240Y -240D	-277Y -347Y	-480D	
AC Network	Per Phase 120/240V 120/208V	220/380V 240/415V 240V	277/480V 347/600V	480V	
UL MCOV (L-G)	Uc	150-210V	275V	420V	840V
TOV Withstand	Ut	175Vac	335Vac	420Vac	840Vac
UL Nominal Discharge Current 15 impulses 8/20 μs	In	20kA	20kA	20kA	20kA
Max. Surge Current (Total)	I _{max}	300kA	300kA	300kA	300kA
Max. Lightning Current (Total) 1 impulse 10/350 μs	I _{imp}	22kA	22kA	22kA	22kA
Max. Surge Current (Per Phase)		150kA	150kA	150kA	150kA
UL Voltage Protection Rating*	VPR	900	1200	1800	2000
Protection Level at In	Up	900	1300	1700	3000
UL Short-Circuit Current Rating	SCCR	200kA	200kA	200kA	200kA
Follow Current	If	none			
Sine Wave Tracking		Yes			
Thermal Disconnect		Included			
Max. Recommended Fuse		200A, Class J (Basic Only)			
Dimensions		See Dimensions and Diagram*			
Connection		by screw terminals			
Remote Signal Indicator		250Vac Max, 2A			
Mounting		Wallmount by screws (not supplied)			
Operating Temp		-40°C to +85°C (-40°F to +185°F)			
Enclosure Material		Metal Standard, Stainless Steel option			
Environmental Rating		NEMA 4, outdoor rated			
Protection Class		IP56			
Weight		MDS300E 25lbs, MDS300S 17lbs, MDS300 17lbs			
Standards Compliance					
IEC 61643-1 - INTERNATIONAL		Class I & II			
EN 61643-11 - EUROPE		Class I & II			
NF EN 61643-11 - FRANCE		Class I & II			
UL1449 4th Edition - USA		Type 1			
UL1449 4th Edition - CANADA		Type 2			
CSA C22.2 No. 8-M1986		Class 9091 32, Class 9091 92			
RoHS		Directive 2002/95/EC			

* Depending on version and protection mode



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