



CITEL

- UL Type 1/2 SPD - I_{max} 300kA per phase - I_n 20kA - NEMA Enclosure

MDS600-120T-H



- UL1449 5th edition
- All Mode Protection
- I_{total}-600kA 8/20us
- I_{max}/phase-300kA 8/20us
- UL 1449 Nominal Discharge Current (I_n) 20kA (All models)
- UL 1449 Short-circuit Current Rating (SCCR) 200kA (All models)
- UL96A Master Label Compliant
- Surge Rated Disconnect Switch
- Smart Diagnostics - % of protection present, audible, remote alarm, test/mute
- Surge Counter
- Serviceable Individual Replaceable Modules
- Optional Listing as UL Type 2 with UL1283 Filter
- NEMA 4/12 (Stainless Steel NEMA 4X optional)
- Standard 10-year warranty

Electrical Characteristics		
POWER SPD TYPE		UL1449 TYPE 1 LISTED
VOLTS	(V)	240/120
AC/DC/DC PV/RF		AC
PHASE	(PH)	1S
AMBIENT MIN	(C)	-35
AMBIENT MAX	(C)	+85
MODES		L-L, L-N, L-G, N-G
VPR	(V)	1800/1200/1200/900
MCOV	(V)	420/210/210/150
I _N 15 impulses 8/20μs	(kA)	20
SCCR	(kA)	200
I _{MAX} 8/20μs	(kA)	300
Option		
Remote status dry contact electrical ratingMax Voltage	V	250.0000
Remote status dry contact electrical ratingMax Current	A	0.5000
RFI Filter		Yes
Installation		
Wiring type		Screw
Stranded Wire cross sectionMin	mm ²	5.0000
Wire gaugeMin	AWG	10.0000
Torque	Nm	2,6
Torque	in-lbs	20
Operating TemperatureMin	°C	-40.0000
Operating TemperatureMax	°C	85.0000
Operating TemperatureMin	°F	-40.0000
Operating TemperatureMax	°F	85.0000
Operating Relative HumidityMax	%RH	95
Operating AltitudeMin	Ft	2000.0000
Operating AltitudeMax	Ft	6500.0000
Housing/Enclosure material		Stainless Steel
Mounting		wall mount
IP Environmental rating/IP		IP56
NEMA Environmental rating/NEMA		NEMA 4
Installation Location		Indoor / outdoor
Product DimensionL	mm	7.0000
Product DimensionH	mm	16.0000
Product DimensionW	mm	12.0000
Product DimensionL	In	0.2750
Product DimensionH	In	0.6290
Product DimensionW	In	0.4720
Miscellaneous		
Individual Pack		Yes
Storage TemperatureMin	°C	-40.0000
Storage TemperatureMax	°C	85.0000
Storage TemperatureMin	°F	-40.0000
Storage TemperatureMax	°F	85.0000



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Mechanical Characteristics	
TECHNOLOGY	Multi-TMOV
NETWORK CONFIGURATION	1PH, 3W+G, Split Phase
CONNECTION METHOD	Screw Terminal (4-10AWG)
MOUNTING	FLANGE MOUNT
MATERIAL	Stainless steel
NEMA RATING (IP RATING)	4X (IP67)
FAIL-SAFE BEHAVIOR	Yes, no upstream over current protection required
REAL-TIME DIAGNOSTICS	% of protection present LED, audible alarm and remote contacts. Optional surge counter.
DIMENSIONS	14.2x6.3x16 (LxWxH-inches)
WEIGHT	17 lbs
Standards	
UL STANDARD	UL1449 5th Edition
UL CATEGORY	VZCA, VZCA7, FOKY, FOKY7
UL FILE NUMBER	E326289, E467909
ANSI/IEEE C62.41	Category C 20kV/10kA
ENVIRONMENTAL STANDARDS	ROHS
Part number	
890672	

