



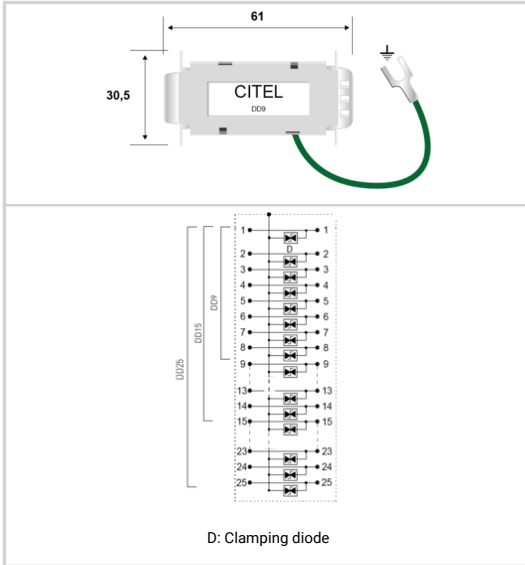
DATA LINE SPD - UL497B - I_{max} 1kA - I_n 1kA

CITEL

DD9-24V



- Data Line Surge Protector for RS Networks • 9, 15 and 25-Pin D-Sub Connectors • Supports Data Rates Up to 40Mbps • Fast and Easy Installation • Ideal for Equipment Level Protection • UL497B Listed



Electrical Characteristics			
Max. DC operating voltage	Uc	40 Vdc	
Insertion loss		< 1 dB	
Max. load current @25°C	IL	750 mA	
Total Maximum discharge current max. total withstand @ 8/20 μs	I _{max} Total	1125 A	
Protection mode(s)		Common mode	
Protection Level C3 category (10/1000μs), 300 applications@10 A, X-X (Line/Line)	Up	130 V	
Protection level C3 category (10/1000μs), 300 applications@10 A, X-C (Line/Earth)	Up	65 V	
Nominal Discharge Current C2 category (8/20μs), 10 applications, X-X (Line/Line)	I _n	125 A	
Capacitance @1MHz, X-C (Line/Earth)	C	< 500 pF	
DATA SPD TYPE		UL497B LISTED	
VOLTS	(V)	24	
WIRES		9W+GROUND	
AMBIENT MIN	(C)	-50	
AMBIENT MAX	(C)	+85	
RESIDUAL VOLTAGE	(V)	20	
IMAX 8/20μs	(kA)	1	
Iimp 10/350μs	(kA)	-	
DATA SPEED	(Mbps)	up to 10MHz	
Installation			
Operating Temperature _{Max}	°C	85.0000	
Operating Temperature _{Min}	°F	-40.0000	
Operating Relative Humidity _{Max}	%RH	95	
Housing/Enclosure material		Thermoplastic	
Flammability rating UL 94		V0	
Mounting		D-Sub connector	
IP Environmental rating/IP		IP20	
Installation Location		Indoor	
Accessories		90° Stainless steel bracket	
Product Dimension L	mm	61.0000	
Product Dimension W	mm	30.5000	
Product Dimension L	In	2.4000	
Product Dimension W	In	1.2000	
Miscellaneous			
Individual Pack		Yes	
Storage Temperature _{Max}	°C	85.0000	
Storage Temperature _{Min}	°F	-40.0000	
Storage Relative Humidity _{Max}	%RH	95.0000	
Installation			
Cable type		Serial cable	
Mechanical Characteristics			
Connection to Network		D-Sub 9 pts male/female Input/output	
Weight		0.063 kg	
TECHNOLOGY		SAD	
NETWORK CONFIGURATION		9W+G	
CONNECTION METHOD		9-pin D-Sub connector	
MOUNTING		SURFACE MOUNT	
MATERIAL		Thermoplastic UL94-V0	
NEMA RATING (IP RATING)		NEMA 2 (IP20)	
DIMENSIONS		See diagram (mm)	
WEIGHT		0.30 lbs	
Standards			
Certification		UL 497B	
UL STANDARD		UL497B	

DD9-24V

UL CATEGORY	QVGQ
UL FILE NUMBER	E184939
STANDARDS	IEC 61643-21
ENVIRONMENTAL STANDARDS	ROHS
Part number	
6147	