



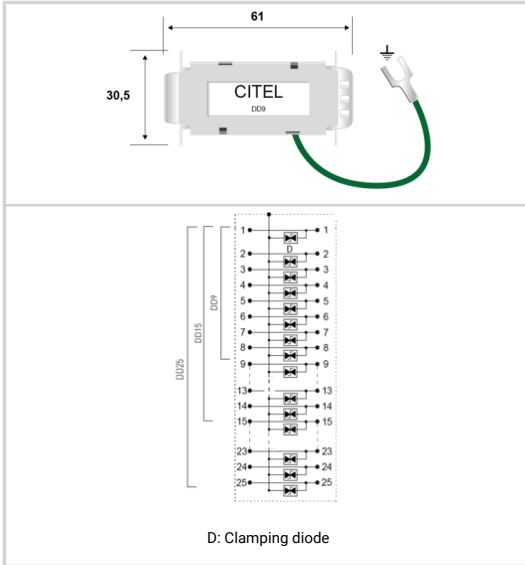
# DATA LINE SPD - UL497B - I<sub>max</sub> 1kA - I<sub>n</sub> 1kA

# 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		
Network		RS232, RS485, 4-20mA
Max. DC operating voltage	U <sub>c</sub>	40 Vdc
Max. frequency	f max.	> 10 MHz
Max. data rate		< 40 Mbps
Insertion loss		< 1 dB
Max. load current @25°C	IL	750 mA
Total Maximum discharge current max. total withstand @ 8/20 μs	I <sub>max</sub> 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 <sub>n</sub>	125 A
Nominal discharge current C2 category (8/20μs), 10 applications X-C (Line/Earth)	I <sub>n</sub>	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
I <sub>MAX</sub> 8/20μs	(kA)	1
I <sub>imp</sub> 10/350μs	(kA)	-
DATA SPEED	(Mbps)	up to 10MHz
Installation		
Operating Temperature <sub>Max</sub>	°C	85.0000
Operating Temperature <sub>Min</sub>	°F	-40.0000
Operating Relative Humidity <sub>Max</sub>	%RH	95
Housing/Enclosure material		Thermoplastic
Flammability ratingUL 94		V0
Mounting		D-Sub connector
IP Environmental ratingIP		IP20
Installation Location		Indoor
Accessories		90° Stainless steel bracket
Product Dimension <sub>L</sub>	mm	61.0000
Product Dimension <sub>W</sub>	mm	30.5000
Product Dimension <sub>L</sub>	In	2.4000
Product Dimension <sub>W</sub>	In	1.2000
Miscellaneous		
Individual Pack		Yes
Storage Temperature <sub>Max</sub>	°C	85.0000
Storage Temperature <sub>Min</sub>	°F	-40.0000
Storage Relative Humidity <sub>Max</sub>	%RH	95.0000
Installation		
Cable type		Serial cable
Mechanical Characteristics		
Technology		Diode écrêtage
Connection to Network		D-Sub 9 pts male/female Input/output
Format		In/out D-Sub connector unit
Failsafe mode		Short-circuit - transmission cut-off - fault mode 2
Pinout		all wires transmitted and protected
Weight		0.063 kg
TECHNOLOGY		SAD
NETWORK CONFIGURATION		9W+G

DD9-24V

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
<b>Standards</b>	
Certification	UL 497B
UL STANDARD	UL497B
UL CATEGORY	QVGQ
UL FILE NUMBER	E184939
STANDARDS	IEC 61643-21
ENVIRONMENTAL STANDARDS	ROHS
<b>Part number</b>	
<b>6147</b>	

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