



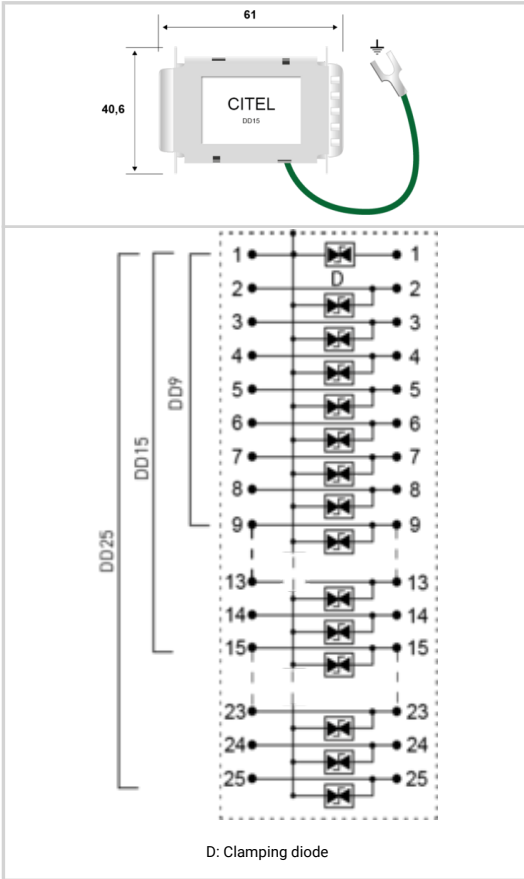
# DATA LINE SPD - UL497B - I<sub>max</sub> 1kA - I<sub>n</sub> 1kA

# CITEL

## DD15-24V



- 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	I <sub>L</sub>	750 mA
Total Maximum discharge current max. total withstand @ 8/20 μs	I <sub>max</sub> Total	20 kA
Protection mode(s)		Common/Differential mode
Max. capacitance	C	< 30 pF
Impulse current 2 x 10/350 μs Test - D1 Category	I <sub>imp</sub>	2.5 kA
Nominal discharge current C2 Category	I <sub>n</sub>	5 kA
Nominal Discharge Current, X-C (Line/Earth) 8/20 μs Test x 10 - C2 Category	I <sub>n</sub> L/PE	300 A
Capacitance @ 1MHz, X-C (Line/Earth)	C	< 500 pF
DATA SPD TYPE		UL497B LISTED
VOLTS	(V)	24
WIRES		15W+GROUND
LINE CURRENT MAX	(A)	0.3
AMBIENT MIN	(C)	-50
AMBIENT MAX	(C)	+85
RESIDUAL VOLTAGE	(V)	20
MCOV	(V)	28/
IMAX 8/20 μs	(kA)	1
I <sub>imp</sub> 10/350 μs	(kA)	-
DATA SPEED	(Mbps)	up to 10MHz
Installation		
Operating Temperature <sub>Min</sub>	°C	-40.0000
Operating Temperature <sub>Max</sub>	°C	85.0000
Operating Temperature <sub>Min</sub>	°F	-40.0000
Operating Temperature <sub>Max</sub>	°F	85.0000
Operating Relative Humidity <sub>Max</sub>	%RH	95
Operating Altitude <sub>Min</sub>	Ft	2000.0000
Operating Altitude <sub>Max</sub>	Ft	6500.0000
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	40.6000
Product Dimension L	In	2.4000
Product Dimension W	In	1.5900
Miscellaneous		
Individual Pack		Yes
Storage Temperature <sub>Min</sub>	°C	-40.0000
Storage Temperature <sub>Max</sub>	°C	85.0000
Storage Temperature <sub>Min</sub>	°F	-40.0000
Storage Temperature <sub>Max</sub>	°F	85.0000
Storage Relative Humidity <sub>Max</sub>	%RH	95.0000
Installation		
Cable type		Serial cable

DD15-24V

Mechanical Characteristics	
Technology	Diode écrêtage
Connection to Network	D-Sub 15 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	15W+G
CONNECTION METHOD	15-pin D-Sub connector
MOUNTING	SURFACE MOUNT
MATERIAL	Thermoplastic UL94-V0
NEMA RATING (IP RATING)	NEMA 2 (IP20)
DIMENSIONS	See diagram
WEIGHT	0.30 lbs
SPARE PART	n/a
Standards	
Certification	UL 497B
UL STANDARD	UL497B
UL CATEGORY	QVGQ
UL FILE NUMBER	E184939
STANDARDS	IEC 61643-21
ENVIRONMENTAL STANDARDS	ROHS
Part number	
6214	

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