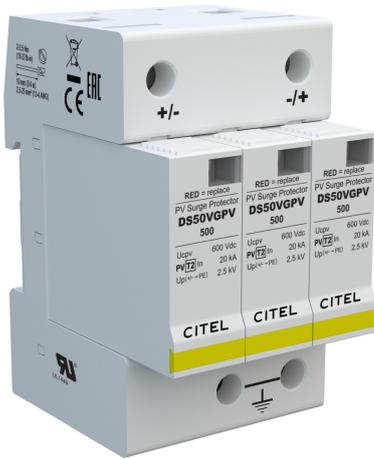


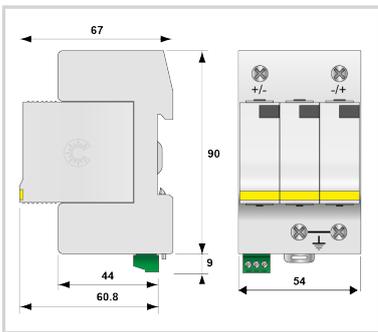


CITEL



DS50VGPVS-500

- UL Type 1 CA DC SPD
- VG Technology for Maximum Performance
- Zero Leakage Current
- Zero Current Working
- Iimp : 12.5kA/pole at 10/350µs
- In:20kA/pole at 8/20µs
- UL 1449 5th Edition Recognized



Electrical Characteristics

Network		PV 500 Vdc
Max. discharge current <i>max. withstand @ 8/20 µs by pole</i>	I _{max}	40 kA
Total Maximum discharge current <i>max. total withstand @ 8/20 µs</i>	I _{max} Total	60 kA
Connection mode(s)		+/-/PE
Protection mode(s)		Common/Differential mode
Protection level +/-PE (-/PE) <i>@ In (8/20µs)</i>	U _p	2.5 kV
Maximum Discharge Current <i>I_{max} (8/20)</i>	kA	40.0000
POWER SPD TYPE		UL1449 TYPE 1CA
VOLTS	(V)	500
AC/DC/DC PV/RF		DC PV
PHASE	(PH)	
AMPS	(A)	N/A
AMBIENT MIN	(C)	-40
AMBIENT MAX	(C)	+85
MODES		DC+DC- or DC+G or DC--G
VPR	(V)	2500/1500/1500
MCOV	(V)	500/500/500
IN <i>15 impulses 8/20µs</i>	(kA)	20
SCCR	(kA)	100

Option

Remote status dry contact electrical rating	Max Voltage	V	250.0000
Remote status dry contact electrical rating	Max Current	A	0.5000
RFI Filter			no

Installation

Wiring type		Screw	
Solid wire cross section	Min	mm ²	4.0000
Solid Wire cross section	Max	mm ²	25.0000
Stranded Wire cross section	Min	mm ²	4.0000
Stranded wire cross section	Max	mm ²	25.0000
Wire gauge	Min	AWG	12.0000
Wire gauge	Max	AWG	4.0000
Torque		Nm	2.0 - 2.5
Torque		in-lbs	17.8 - 22.1
Strip Length		mm	12.5000
Strip Length		in	0.5000
Operating Temperature	Min	°C	-40.0000
Operating Temperature	Max	°C	85.0000
Operating Temperature	Min	°F	-40.0000
Operating Temperature	Max	°F	85.0000
Operating Relative Humidity	Max	%RH	95
Operating Altitude	Min	Ft	2000.0000
Operating Altitude	Max	Ft	6500.0000
Housing/Enclosure material			Thermoplastic
Flammability rating	UL 94		V0
Mounting			Din Rail
IP Environmental rating	IP		IP20
NEMA Environmental rating	NEMA		NEMA 1
Installation Location			Indoor
Spare part			Module
Product Dimension	L	mm	99.0000



CITEL

DS50VGPVS-500

Product Dimension <i>H</i>	mm	67.0000
Product Dimension <i>W</i>	mm	54.0000
Product Dimension <i>L</i>	In	3.8900
Product Dimension <i>H</i>	In	2.6400
Product Dimension <i>W</i>	In	2.1300
Miscellaneous		
Individual Pack		Yes
Storage Temperature <i>Min</i>	°C	-40.0000
Storage Temperature <i>Max</i>	°C	85.0000
Storage Temperature <i>Min</i>	°F	-40.0000
Storage Temperature <i>Max</i>	°F	85.0000
Storage Relative Humidity <i>Max</i>	%RH	95.0000
Mechanical Characteristics		
Technology		VG Technology (MOV+GSG)
Connection to Network		By screw terminals: 4-25mm ²
Format		Plug-in modular box
Operating temperature	Tu	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection SPD of the PV line
TECHNOLOGY		MOV+GSG
NETWORK CONFIGURATION		3 poles, 2W+G
CONNECTION METHOD		SPD-Screw Terminal (8-12AWG), Terminal blocks 6AWG
MOUNTING		Din Rail
MATERIAL		Thermoplastic UL94-V0
NEMA RATING (IP RATING)		NEMA 2 (IP20)
FAIL-SAFE BEHAVIOR		Disconnection via fuse-link
REAL-TIME DIAGNOSTICS		Visual indicator and remote contacts
DIMENSIONS		See diagram
Standards		
Certification		UL Recognized
UL STANDARD		UL1449 5th Edition
UL FILE NUMBER		E326289
Part number		
480161		

