



# CITEL

## DS50VGPV-500



- ↳ UL Type 1 CA DC SPD for PV Systems
- VG Technology for Maximum Performance
- Zero Leakage Current
- Zero Current Working
- I<sub>max</sub> : 40kA/pole at 8/20µs
- I<sub>n</sub> : IEC 20kA/pole, UL 10kA/pole at 8/20µs
- UL 1449 5th Edition Recognized



Características eléctricas		
Red		Red FV 1250 Vdc
Corriente de descarga máxima total	I <sub>max</sub> Total	60 kA
Capacidad máx. total en onda 8/20µs		
Modo(s) de protección		Modo Común o Mode Diferenciado
Nivel de protección +/-PE (-/PE) @ I <sub>n</sub> (8/20µs)	U <sub>p</sub>	2.5 kV
Maximum Discharge Current	kA	40.0000
Maximum Discharge Current	kA	40.0000
Maximum Discharge Current	kA	40.0000
Voltage Protection Level	V	2500.0000
Voltage Protection Level	V	1500.0000
Voltage Protection Level	V	1500.0000
POWER SPD TYPE		UL1449 TYPE 1CA
TENSION	(V)	500
AC/DC/DC PV/RF		DC PV
FASE	(PH)	-
AMPS	(A)	N/A
AMBIENT MIN	(C)	-35
AMBIENT MAX	(C)	+85
MODOS		DC+G or DC-G
VPR	(V)	2500/1500/1500
MCOV	(V)	500/500/500
IN	(kA)	20
I <sub>cc</sub> cortocircuito	(kA)	100
Opción		
Remote status dry contact electrical rating	V	250.0000
Remote status dry contact electrical rating	A	0.5000
RFI Filter		no
Instalación		
Wiring type		Screw
Solid wire cross section	mm <sup>2</sup>	4.0000
Solid Wire cross section	mm <sup>2</sup>	25.0000
Stranded Wire cross section	mm <sup>2</sup>	4.0000
Stranded wire cross section	mm <sup>2</sup>	25.0000
Wire gauge	AWG	12.0000
Wire gauge	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	°C	-40.0000
Operating Temperature	°C	85.0000
Operating Temperature	°F	-40.0000
Operating Temperature	°F	85.0000
Operating Relative Humidity	%RH	95
Operating Altitude	Ft	2000.0000
Operating Altitude	Ft	6500.0000
Housing/Enclosure material		Thermoplastic
Flammability rating		V0
Mounting		Din Rail
IP Environmental rating		IP20
NEMA Environmental rating		NEMA 1
Installation Location		Indoor
Spare part		Module
Product Dimension	mm	99.0000

Product Dimension	mm	67.0000
Product Dimension	mm	54.0000
Product Dimension	In	3.8900
Product Dimension	In	2.6400
Product Dimension	In	2.1300
<b>Miscelánea</b>		
Individual Pack		Yes
Storage Temperature	°C	-40.0000
Storage Temperature	°C	85.0000
Storage Temperature	°F	-40.0000
Storage Temperature	°F	85.0000
Storage Relative Humidity	%RH	95.0000
<b>Características mecánicas</b>		
Tecnología		Tecnología VG (MOV+GSG)
Conexión a la red		Por terminales de tornillos 4-25 mm <sup>2</sup>
Formato		Caja modular desenchufable
Modo de fallo		Desconexión de la protección de la línea FV
Peso		0.259 kg
TECNOLOGIA		MOV+GSG
CONFIGURACION DE RED		3 polos, 2W+G
FORMA DE CONEXION		SPD-Screw Terminal (8-12AWG), Terminal blocks 6AWG
MONTAJE		Wall mount
MATERIAL		Thermoplastic UL94-V0
NEMA RATING (IP RATING)		NEMA 2 (IP20)
DESCONEXION SEGURA		Disconnection via fuse-link
REAL-TIME DIAGNOSTICS		Visual indicator and remote contacts
DIMENSIONS		See diagram
<b>Normas</b>		
Certificación		UL
UL STANDARD		UL1449 5th Edition
UL FILE NUMBER		E326289
<b>Código</b>		
<b>480151</b>		