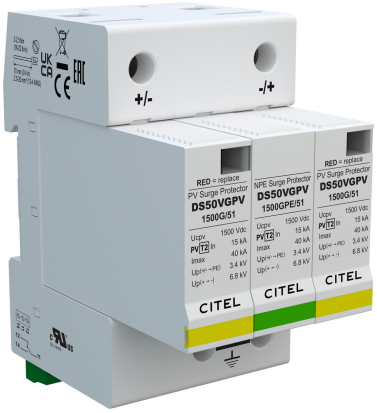
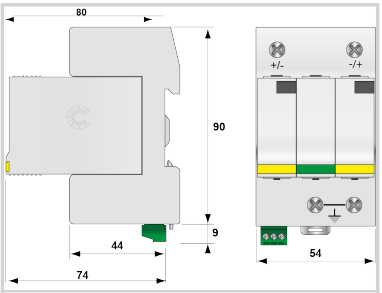
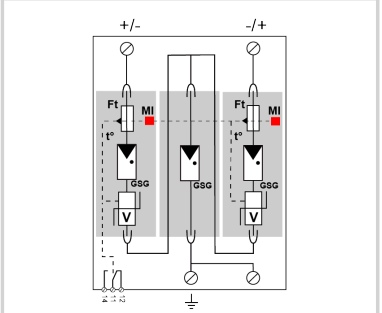
DS50VGPVS-1500G/51



- UL Type 1 CA DC SPD for PV Systems
  - VG Technology for Maximum Performance
  - Zero Leakage Current
  - Zero Current Working
  - Imax : 40kA/pole at 8/20µs
  - In : IEC 20kA/pole, UL 10kA/pole at 8/20µs
  - UL 1449 5th Edition Recognized





V: High-energy varistor
GSG: Specific gas tube
Ft: Thermal fuse
C: Remote signaling contact
t°: Thermal disconnection system
MI: Disconnection indicator

Electrical Characteristics		
Network		PV 1250 Vdc
Max. discharge current *max. withstand @ 8/20 µs by pole*	Imax	40 kA
Connection mode(s)		+/-/PE
Protection mode(s)		Common/Differential mode
Protection level +/PE (-/PE) *@ In (8/20µs)*	Up	3.4 kV
POWER SPD TYPE		UL1449 TYPE 1CA
VOLTS	(V)	1500
AC/DC/DC PV/RF		DC PV
PHASE	(PH)	
AMPS	(A)	N/A
AMBIENT MIN	(C)	-40
AMBIENT MAX	(C)	+85
MODES		DC+-G or DC--G
VPR	(V)	5000/3000/3000
MCOV	(V)	1500/1500/1500
IN *15 impulses 8/20µs*	(kA)	10
SCCR	(kA)	50
Mechanical Characteristics		
Technology		VG Technology (MOV+GSG)
Connection to Network		By screw terminals: 2.5-25mm²
Format		Plug-in modular box
Mounting		Symmetrical rail 35 mm (EN 60715)
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		cRUus
UL STANDARD		UL1449 5th Edition
UL FILE NUMBER		E326289
Part number		
481511		