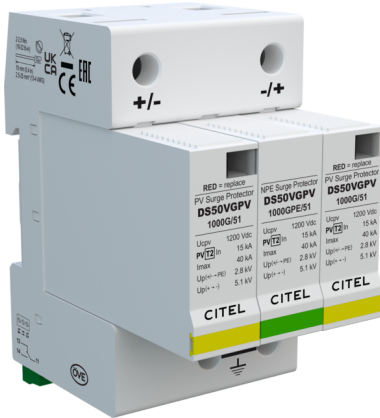
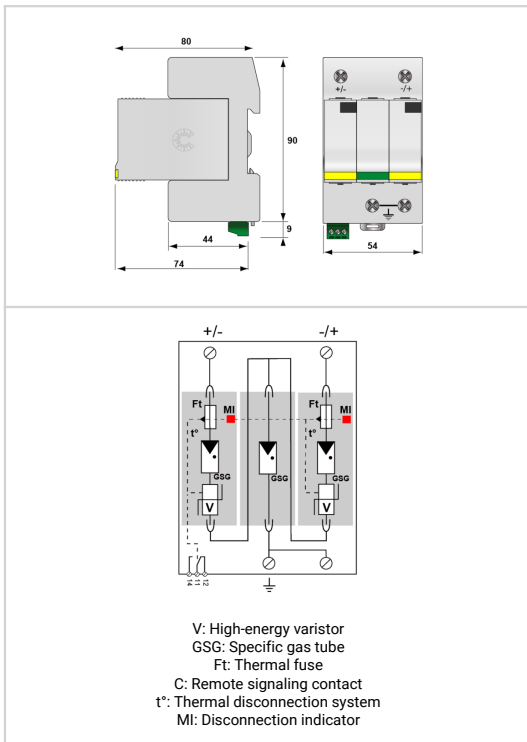


DS50VGPVS-1000G/51



- ✦ Type 2 surge protector for photovoltaic
- ✦ VG technology
- ✦ 1000 Vdc
- ✦ No leakage, no operating currents
- ✦ Improved life expectancy
- ✦ In/Imax : 15 / 40 kA
- ✦ Common/Differential mode protection
- ✦ Remote signaling
- ✦ IEC 61643-31, EN 61643-31, EN 50539-11, UL1449 ed.5 compliance



Electrical Characteristics			
SPD type	IEC	2	
Network			PV network 1000 Vdc
Nominal PV voltage	Uocstc	1000 Vdc	
Max. PV operating voltage	Ucpv	1200 Vdc	
Residual Current Leakage current to Ground	Ipe	None	
PV Permanent Operating current Current consumption at Ucpv	Icpv	None	
Follow current	If	None	
Nominal discharge current 15 x 8/20 μs impulses	In	15 kA	
Max. discharge current max. withstand @ 8/20 μs by pole	Imax	40 kA	
Total Maximum discharge current max. total withstand @ 8/20 μs	Imax Total	60 kA	
Current withstand short circuit PV	Iscpv	15 000 A	
Connection mode(s)			+/-/PE
Protection mode(s)			Common/Differential mode
Protection level +/- @ In (8/20μs)	Up	5.1 kV	
Protection level +/-PE (-/PE) @ In (8/20μs)	Up	2.8 kV	
Mechanical Characteristics			
Technology			VG Technology (MOV+GSG)
Connection to Network			By screw terminals: 2.5-25mm <sup>2</sup>
Format			Plug-in modular box
Mounting			Symmetrical rail 35 mm (EN 60715)
Housing material			Thermoplastic UL94 V-0
Operating temperature	Tu	-40/+85°C	
Protection rating			IP20
Failsafe mode			Disconnection SPD of the PV line
Disconnection indicator			2 mechanical indicators
Spare module(s)			DSM50VGPV-1000G/51
Remote signaling of disconnection			Output on changeover contact
Dimensions			See diagram
Weight			0.306 kg
Disconnectors			
Thermal disconnector			Internal
Back-up protection device			Without
Standards			
Standards compliance			IEC 61643-31 / EN 61643-31 / EN 50539-11 / UL1449 ed.5
Part number			
481311			