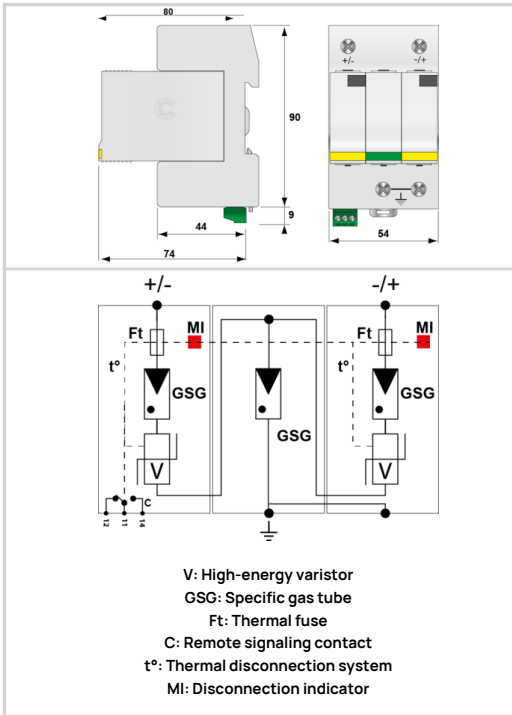


DS50VGPVS-1000G/51



- ↳ 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 (option)
- ↳ UTE C61-740-51, EN 61643-11 compliance



Electrical Characteristics	
SPD type (following IEC tests)	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 1000 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
Connection to Network	Screw terminals: 2.5-25mm ²
Format	Plug-in modular box
Mounting	Symmetrical rail 35 mm (DIN 60715)
Housing material	Thermoplastic UL94 V-0
Operating temperature	Tu -40/+85°C
Protection rating	IP20
Outdoor application	false
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
Fuses	Without
Standards	
Standards compliance	IEC 61643-31 / EN 61643-31 / EN 50539-11
Certification	UL / EAC
Part number	
481311	

