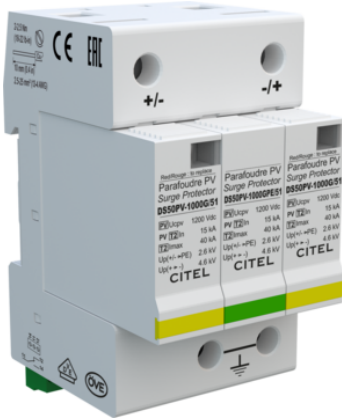
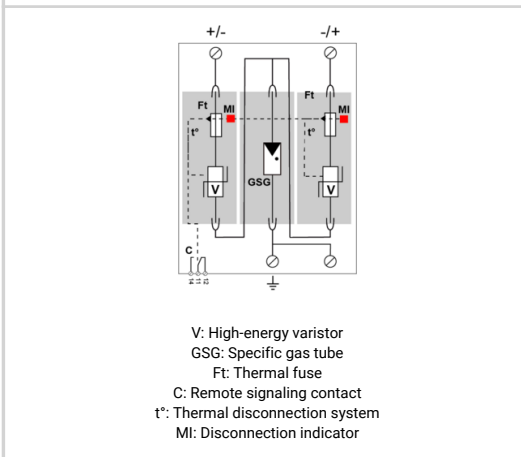
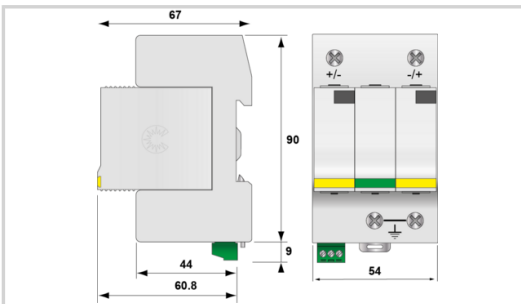


DS50PVS-1000G/51



- Type 2 surge protector
- 1000 Vdc
- In : 15 kA
- I<sub>max</sub> : 40 kA
- Pluggable module
- Remote signaling
- IEC 61643-31/EN61643-31 compliance



Electrical Characteristics	
SPD type (following IEC tests)	2
Network	PV network 1000 Vdc
Nominal PV voltage	U <sub>ocstc</sub> 1000 Vdc
Max. PV operating voltage	U <sub>cpv</sub> 1200 Vdc
Residual Current (Leakage current to Ground)	I <sub>pe</sub> None
PV Permanent Operating current (Current consumption at U <sub>cpv</sub> )	I <sub>cpv</sub> < 0.1 mA
Follow current	I <sub>f</sub> None
Nominal discharge current (15 x 8/20 μs impulses)	I <sub>n</sub> 15 kA
Max. discharge current (max. withstand @ 8/20 μs by pole)	I <sub>max</sub> 40 kA
Total Maximum discharge current (max. total withstand @ 8/20 μs)	I <sub>max</sub> Total 60 kA
Current withstand short circuit PV	I <sub>scpv</sub> 15 000 A
Connection mode(s)	+/-/PE
Protection mode(s)	Common/Differential mode
Protection level +/- (@ I <sub>n</sub> (8/20μs))	U <sub>p</sub> 4.6 kV
Protection level +/-PE (-/PE) (@ I <sub>n</sub> (8/20μs))	U <sub>p</sub> 2.6 kV
Mechanical Characteristics	
Technology	MOV+GDT
Connection to Network	By screw terminals: 2.5-25mm <sup>2</sup> / by bus
Format	Plug-in modular box
Mounting	Symmetrical rail 35 mm (EN 60715)
Housing material	Thermoplastic UL94 V-0
Operating temperature	T <sub>u</sub> -40/+85°C
Protection rating	IP20
Failsafe mode	Disconnection SPD of the PV line
Disconnection indicator	2 mechanical indicators
Spare module(s)	DSM50PV-1000G/51
Remote signaling of disconnection	Output on changeover contact
Dimensions	See diagram
Weight	0.278 kg
Disconnectors	
Thermal disconnector	Internal
Fuses	Without
Standards	
Standards compliance	IEC 61643-31 / EN 50539.11
Certification	VDE / ÖVE / EAC
Part number	
480391	