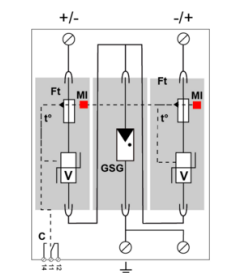
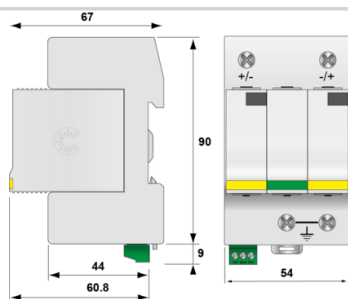


DS50PVS-1000G/51



- Type 2 surge protector
- 1000 Vdc
- I_n : 15 kA
- I_{max} : 40 kA
- Pluggable module
- Remote signaling
- IEC 61643-31/EN61643-31 compliance



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

Electrical Characteristics

SPD type (following IEC tests)	2
Network	PV network 1000 Vdc
Nominal PV voltage	U_{ocstc} 1000 Vdc
Max. PV operating voltage	U_{cpv} 1200 Vdc
Residual Current (Leakage current to Ground)	I_{pe} None
PV Permanent Operating current (Current consumption at U_{cpv})	I_{cpv} < 0.1 mA
Follow current	I_f None
Nominal discharge current (15 x 8/20 μ s impulses)	I_n 15 kA
Max. discharge current (max. withstand @ 8/20 μ s by pole)	I_{max} 40 kA
Total Maximum discharge current (max. total withstand @ 8/20 μ s)	I_{max} Total 60 kA
Current withstand short circuit PV	I_{scpv} 15 000 A
Connection mode(s)	+/-/PE
Protection mode(s)	Common/Differential mode
Protection level +/- (@ I_n (8/20 μ s))	U_p 4.6 kV
Protection level +/-PE (-/PE) (@ I_n (8/20 μ s))	U_p 2.6 kV

Mechanical Characteristics

Technology	MOV+GDT
Connection to Network	By screw terminals: 2.5-25mm ² / by bus
Format	Plug-in modular box
Mounting	Symmetrical rail 35 mm (EN 60715)
Housing material	Thermoplastic UL94 V-0
Operating temperature	T_u -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