



DS50VG PVS-1000G/51

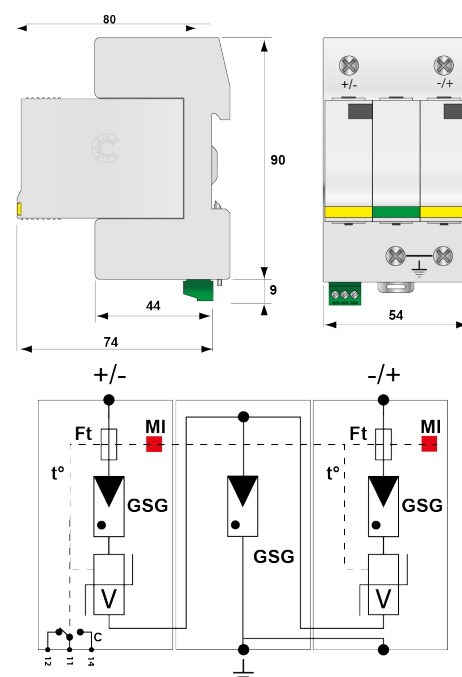
- Type 2 surge protector for photovoltaic
- VG technology
- 1000 Vdc
- No leakAge, no operating currents
- Improved life expectancy
- In/Imax : 15 / 40 kA
- Common/Differential mode protection
- Remote signaling (option)
- UTE C61-740-51, EN 61643-11 compliance



Electrical Characteristics		
SPD type		2
Network		PV network 1000 Vdc
Nominal PV voltage	<i>Uocstc</i>	1000 Vdc
Max. PV operating voltage	<i>Ucpv</i>	1200 Vdc
Residual Current Leakage current to Ground	<i>Ipe</i>	None
PV Permanent Operating current Current consumption at <i>Ucpv</i>	<i>Icpv</i>	None
Follow current	<i>If</i>	None
Nominal discharge current 15 x 8/20 μ s impulses	<i>In</i>	15 kA
Max. discharge current max. withstand @ 8/20 μ s by pole	<i>Imax</i>	40 kA
Total Maximal discharge current max. total withstand @ 8/20 μ s	<i>Imax Total</i>	60 kA
Current withstand short circuit PV	<i>Iscpv</i>	1000 A
Connection mode(s)		+/-/PE
Protection mode(s)		Common/Differential mode
Protection level +/- @ <i>In</i> (8/20 μ s)	<i>Up</i>	5.1 kV
Protection level +/-PE (-/PE) @ <i>In</i> (8/20 μ s)	<i>Up</i>	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 (EN60715)
Housing material		Thermoplastic UL94-V0
Operating temperature		-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)		DSM50VG PVS-1000G/51
Remote signaling of disconnection		Output on changeover contact
Dimensions		See diagram
Weight		0.306 kg

Disconnectors		
Thermal disconnector		Internal
Fuses		Without



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

Standards		
Standards compliance		EN 61643-31 / NF EN 50539-11
Certification		OVE / EAC / UL
Part Number		481311