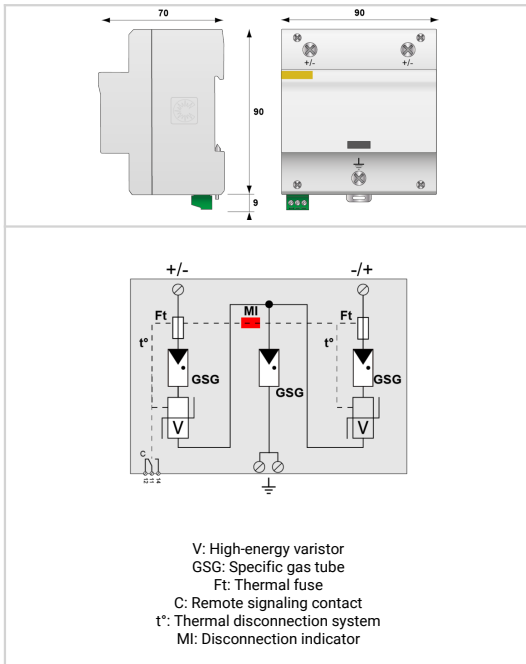


DS60VGPV-1500G/51



- ✦ Type 1+2 surge protector for photovoltaic
- ✦ VG technology
- ✦ Ucpv: 1500 Vdc
- ✦ No leakage, no operating currents
- ✦ Improved life expectancy
- ✦ Iimp: 12,5 kA/pole
- ✦ Itotal: 25 kA
- ✦ Common/Differential mode protection
- ✦ Remote signaling
- ✦ IEC 61643-31, EN 61643-31, EN 50539-11 compliance



Electrical Characteristics			
SPD type	IEC	1+2	
Network		PV network 1250 Vdc	
Nominal PV voltage	Uocstc	1250 Vdc	
Max. PV operating voltage	Ucpv	1500 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	20 kA	
Max. discharge current max. withstand @ 8/20 μs by pole	I <sub>max</sub>	40 kA	
Impulse current by pole max. withstand 10/350μs by pole	I <sub>imp</sub>	12.5 kA	
Total lightning current max. total withstand @ 10/350μs	I <sub>total</sub>	25 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 +/- @ In (8/20μs)	Up	5.4 kV	
Protection level +/-PE (-/PE) @ In (8/20μs)	Up	4.7 kV	
Mechanical Characteristics			
Technology		VG Technology (MOV+GSG)	
Connection to Network		By screw terminals: 6-35mm <sup>2</sup>	
Format		1-pole 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		1 mechanical indicator	
Remote signaling of disconnection		Output on changeover contact - 250 Vac/0.5 A (AC) - 30 Vdc/3A (DC)	
Dimensions		See diagram	
Weight		0.67 kg	
Disconnectors			
Thermal disconnector		Internal	
Back-up protection device		Without	
Standards			
Standards compliance		IEC 61643-31 / EN 61643-31 / EN 50539-11	
Certification			
Part number			
3956			