

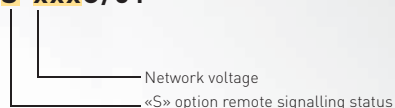
Type 2 PV Surge Protector DS50VGPV-G/51 series



DS50VGPV-1500G/51

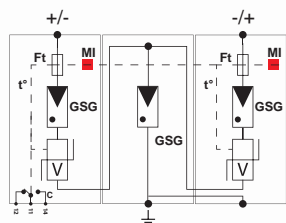
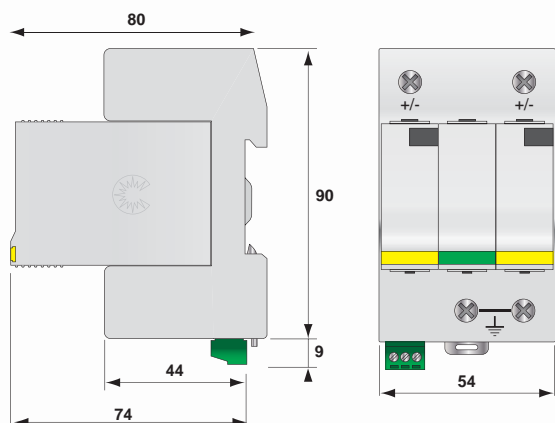
- **Type 2 Surge Protector for Photovoltaic**
- **VG-Technology**
- **No leakage, no operating currents**
- **Improved life expectancy**
- **Impulse currents I_n/I_{max} : 15/40 kA**
- **Common Mode and Differential protection**
- **Remote Signaling (option)**
- **UTE C61-740-51 and prEN 50539-11 compliance**

DS50VGPV**S**-xxxG/51



Dimensions - Electrical diagram

(in mm)



GSG: Gas-filled spark gap
V : High energy MOV
Ft : Thermal fuse
t° : Thermal disconnection mechanism
C : Contact for remote signal

Characteristics

CITEL part number	DS50VGPV-600G/51	DS50VGPV-1000G/51	DS50VGPV-1500G/51
Network voltage	Uocstc 600 Vdc	1000 Vdc	1250 Vdc
Protection mode *	CM/DM	CM/DM	CM/DM
Max. operating voltage	Ucpv 720 Vdc	1200 Vdc	1500 Vdc
Current withstand short-circuit	Iscwvp >1000 A	>1000 A	>1000 A
Operating current to the voltage Ucpv	Icpv none	none	none
Leakage current to the voltage Ucpv	Ipe none	none	none
Follow current	If none	none	none
Nominal discharge current 15 x 8/20 μ s impulses	I_n 15 kA	15 kA	15 kA
Max. Lightning current by pole 8/20 μ s withstand	I_{max} 40 kA	40 kA	40 kA
Protection level CM/DM* (at I_n)	Up 2.2/3.4 kV	3.5/6 kV	3.4/6.8 kV
Disconnecter			
Thermal Disconnecter	internal		
Mechanical characteristics			
Dimensions	see diagram		
Connection	Screw terminal for 4-25 mm ² wire		
Disconnection indicator	1 mechanical indicator		
Remote signaling	Option DS50VGPV - Output on changeover contact		
Mounting	symmetrical rail 35 mm		
Operating temperature	-40/+85 °C		
Protection class	IP20		
Housing material	Thermoplastic UL94-V0		
Standards compliance			
UTE C61-740-51	France	Parafoudre pour réseau PV - Essai de Classe I et II	
prE?50539-11	Europe	Parafoudre pour réseau PV - Essai de Classe I et II	
UL1449 ed.3	USA	Type 4, Type 2 location - Pending	

*) CM = Common mode (+/PE or -/PE) - DM = Differential mode (+/-)

