

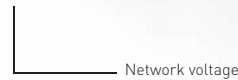
Data Sheet

Type 1+2 PV Surge Protector DS60VGPV/51 series



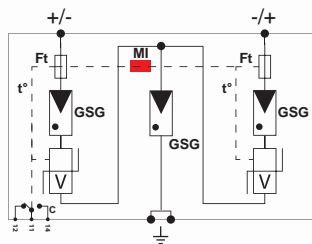
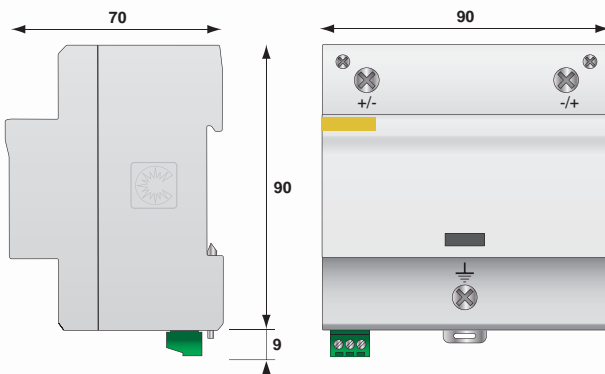
- Type 1 and 2 Surge Protector for Photovoltaic
- VG-Technology
- No leakage, no operating currents
- Improved life expectancy
- Impulse currents I_{imp} 12.5 kA/pole @ 10/350 μ s
- Common Mode and Differential protection
- Remote Signaling
- UTE C61-740-51 and EN 50539-11 compliance

DS60VGPV-**xxx**G/51



Dimensions - Electrical diagram

(in mm)



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

Characteristics

CITEL part number		DS60VGPV-600G/51	DS60VGPV-1000G/51	DS60VGPV-1500G/51
Network voltage	Uocstc	600 Vdc	1000 Vdc	1250 Vdc
Protection mode *		MC/MD	MC/MD	MC/MD
Max. operating voltage	Ucpv	720 Vdc	1200 Vdc	1500 Vdc
Current withstand short circuit	Iscwp	>1000 A	>1000 A	>1000 A
Operating current to the voltage Ucpv	Icpv	none	none	none
Leakage current to the voltage Ucpv	Ipe	none	non	none
Follow current	If	none	none	none
Nominal discharge current 15 x 8/20 μ s impulses	In	20 kA	20 kA	20 kA
Maximum discharge current 10/350 μ s withstand	Iimp	12.5 kA	12.5 kA	12.5 kA
Max. Lightning current by pole 8/20 μ s withstand	I _{max}	40 kA	40 kA	40 kA
Protection level CM/DM* (at In)	Up	2.2/2.8 kV	3.4/4.9 kV	3.4/6 kV

Disconnecter

Thermal Disconnecter	internal
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Mechanical characteristics

Dimensions	see diagram
Connection	Screw terminal for 6-35 mm ² wire
Disconnection indicator	1 mechanical indicator
Remote signaling (DS60VGPVS)	250V/0.5 (AC) - 125V/3A (DC)
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
prEN 50539-11	Europe	Parafoudre pour réseau PV - Essai de Classe I et II
UL1449 ed.3	USA	Type 4, Type 2 location - Pending

Part Number

DS60VGPV-600G/51	3963
DS60VGPV-1000G/51	3958
DS60VGPV-1500G/51	3956

*) MC = Common mode (+/PE or -/PE) - MD = Differential mode (+/-)



CITEL

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