

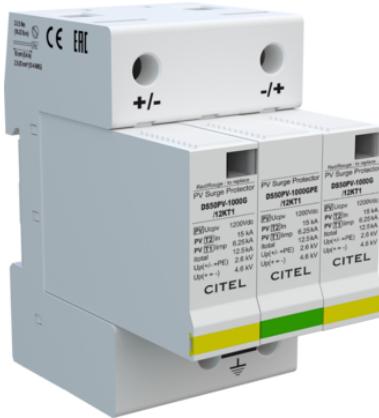


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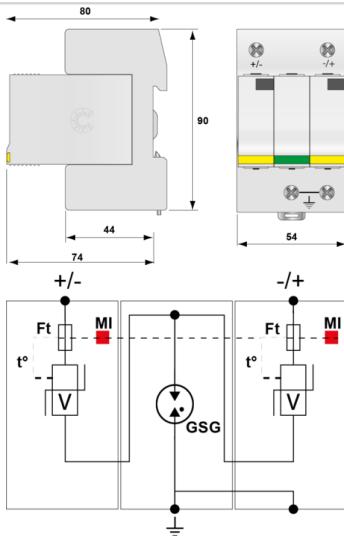
Type 1+2 PV surge protector - 1000 Vdc

PHOTOVOLTAIC

## DS50PV-1000G/12KT1



- Type 1+2 surge protector for Photovoltaic
- Impulse currents limp/Itotal : 6.25/12.5 kA (10/350μs)
- Common/Differential mode protection
- Remote signaling (option)
- IEC 61643-11 and EN 50539-11 compliance



## Caractéristiques Électriques

SPD type	1+2	
Network	PV network 1000 Vdc	
Nominal PV voltage	Uocstc	1000 Vdc
Max. PV operating voltage	Ucpv	1200 Vdc
Residual Current[Leakage current to Ground]	Ipe	None
PV Permanent Operating current (Current consumption at Ucpv)	Icpv	< 0.1 mA
Follow current	If	None
Nominal discharge current [15 x 8/20 μs impulses]	In	15 kA
Max. discharge current(max. withstand @ 8/20 μs by pole)	Imax	40 kA
Total Maximal discharge current (max. total withstand @ 8/20 μs )	Imax	60 kA
Impulse current by pole(max. withstand 10/350μs by pole)	limp	6.25 kA
Total lightning current(max. total withstand @ 10/350μs)	Itotal	12.5 kA
Current withstand short circuit PV	Iscpv	15000 A
Connection model(s)	+/-/PE	
Protection model(s)	Common/Differential mode	
Protection level +/-[@ In {8/20μs}]	Up	4.6 kV
Protection level +/PE (-/PE)[@ In {8/20μs}]	Up	2.6 kV

## Caractéristiques Mécaniques

Technology	MOV + GDT
Connection to Network	Screw terminals: 2.5-25mm <sup>2</sup>
Format	Plug-in modular box
Mounting	Symmetrical rail 35 mm (EN60715)
Housing material	Thermoplastic UL94-V0
Operating temperature	-40/+85°C
Protection rating	IP20
Disconnection indicator	2 mechanical indicators
Spare module(s)	DSM50PV-1000G/12KT1
Remote signaling of disconnection	Option DS50PVS-1000G/12KT1 - output on changeover contact
Weight	0.39 kg

## Déconnecteurs associés

Thermal disconnector	Internal
Fuses	Without

## Normes

Standards compliance	EN 61643-31 / NF EN 50539-11
Code article	482383

482383

