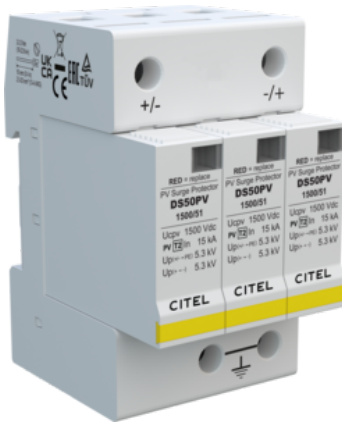




Type 2 PV surge protector

CITEL

DS50PV-1500/51



- Type 2 surge protector for PV
- In : 15kA / I_{max} : 40kA
- Pluggable
- Remote signaling (option)
- IEC 61643-31, EN 61643-31, EN 50539-11 and UL1449 ed.5 certified



	Electrical Characteristics		
	SPD type	2	
<p>V: High-energy varistor Ft: Thermal fuse t*: Thermal disconnection system MI: Disconnection indicator</p>	Network	PV network 1250 Vdc	
	Nominal PV voltage	U _{ocstc}	1250 Vdc
	Max. PV operating voltage	U _{cpv}	1500 Vdc
	Residual Current Leakage current to Ground	I _{pe}	< 0.1 mA
	PV Permanent Operating current Current consumption at U _{cpv}	I _{cpv}	< 0.1 mA
	Follow current	I _f	None
	Nominal discharge current 15 x 8/20 μs impulses	I _n	15 kA
	Max. discharge current max. withstand @ 8/20 μs by pole	I _{max}	40 kA
	Total Maximum discharge current max. total withstand @ 8/20 μs	I _{max Total}	60 kA
	Current withstand short circuit PV	I _{scpv}	15 000 A
	Connection mode(s)		+/-/PE
	Protection mode(s)		Common/Differential mode
	Protection level +/-PE (-/PE) @ I _n (8/20μs)	U _p	5.3 kV
	Mechanical Characteristics		
	Technology		MOV
Connection to Network		By screw terminals: 2.5-25mm ²	
Format		Plug-in modular box	
Mounting		Symmetrical rail 35 mm (EN 60715)	
Housing material		Thermoplastic UL94 V-0	
Operating temperature	T _u	-40/+85°C	
Protection rating		IP20	
Failsafe mode		Disconnection SPD of the PV line	
Disconnection indicator		1 mechanical indicator by pole	
Spare module(s)		DSM50PV-1500/51	
Remote signaling of disconnection		Option DS50PVS-1500/51 output change over contact	
Dimensions		See diagram	
Weight		0.332 kg	
Disconnectors			
Thermal disconnector		Internal	
Back-up protection device		Without	
Standards			
Standards compliance		IEC 61643-31 / EN 61643-31 / EN 50539-11 / UL1449 ed.5	
Certification		UL Recognized / TÜV	
Part number			
		480521	

