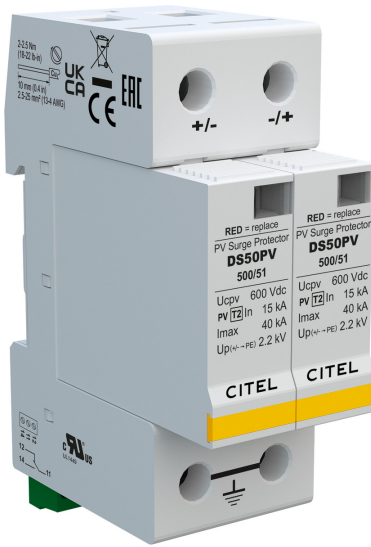




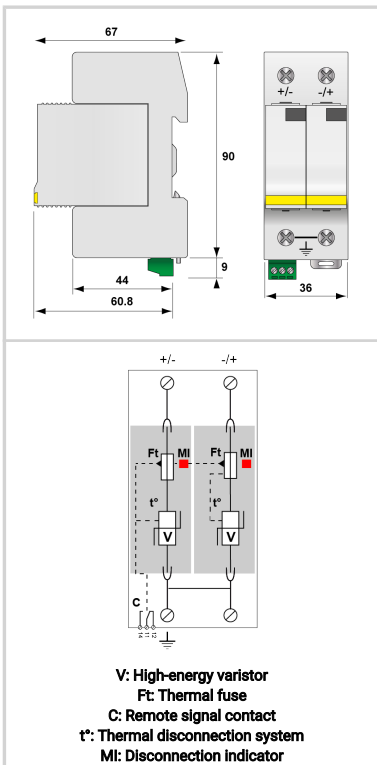
CITEL

Type 2 PV surge protector

DS50PVS-500/51



- › Type 2 surge protector for PV
- › In : 15kA / I_{max} : 40kA
- › Pluggable
- › Remote signaling
- › UL1149 ed.5 certified
- › EN 61643-31, NF EN 50539-11 compliant



Electrical Characteristics		
SPD type	IEC	2
Network		PV 500 Vdc
Nominal PV voltage	U _{ocstc}	500 Vdc
Max. PV operating voltage	U _{cpv}	600 Vdc
Residual Current <i>Leakage current to Ground</i>	I _{pe}	< 0.2 mA
PV Permanent Operating current <i>Current consumption at U_{cpv}</i>	I _{cpv}	< 0.1 mA
Follow current	I _f	None
Nominal discharge current <i>15 x 8/20 μs impulses</i>	I _n	15 kA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I _{max}	40 kA
Total Maximum discharge current <i>max. total withstand @ 8/20 μs</i>	I _{max Total}	60 kA
Current withstand short circuit PV	I _{scpv}	15 000 A
Connection mode(s)		+/-/PE
Protection mode(s)		Common mode
Protection level +/-PE (-/PE) <i>@ I_n (8/20μs)</i>	U _p	2.2 kV
Mechanical Characteristics		
Technology		MOV
Connection to Network		By screw terminals: 2.5-25mm ² / by bus
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		2 mechanical indicators
Spare module(s)		DSM50PV-500/51
Remote signaling of disconnection		Output on changeover contact
Dimensions		See diagram
Disconnectors		
Thermal disconnector		Internal
Back-up protection device		Without
Standards		
Standards compliance		IEC 61643-31 / EN 61643-31 / EN 50539-11 / UL1449 ed.5
Part number		
480171		

