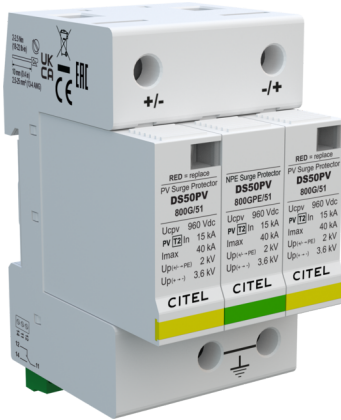
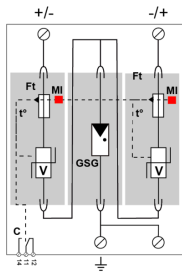
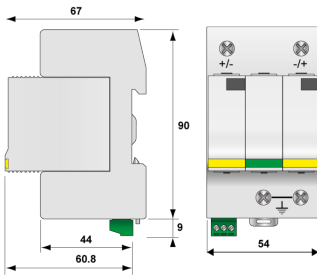


DS50PVS- 800G/51



- ✦ Type 2 surge protector for PV
- ✦ In : 15kA / I_{max} : 40kA
- ✦ Pluggable
- ✦ Remote signaling
- ✦ UL1149 ed.5 certified
- ✦ IEC 61643-31, EN 61643-31, EN 50539-11, UL1449 ed.5 compliance



V: High-energy varistor
 GSG: Specific gas tube
 Ft: Thermal fuse
 C: Remote signaling contact
 t*: Thermal disconnection system
 MI: Disconnection indicator

Electrical Characteristics			
SPD type	IEC	2	
Network		PV network 800 Vdc	
Nominal PV voltage	U _{ocstc}	800 Vdc	
Max. PV operating voltage	U _{cpv}	960 Vdc	
Residual Current Leakage current to Ground	I _{pe}	None	
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 +/- @ I _n (8/20μs)	U _p	3.6 kV	
Protection level +/-PE (-/PE) @ I _n (8/20μs)	U _p	2 kV	
Mechanical Characteristics			
Technology		MOV+GDT	
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-800G/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	
Certification			
Part number			
480291			