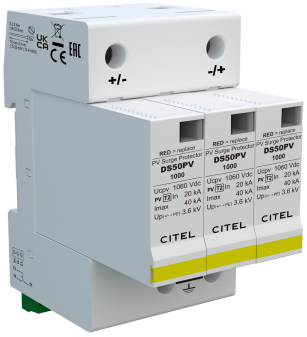
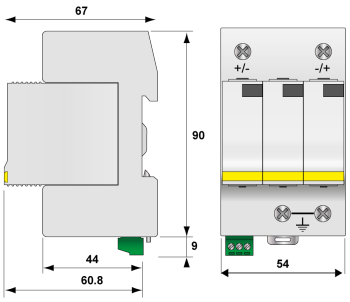
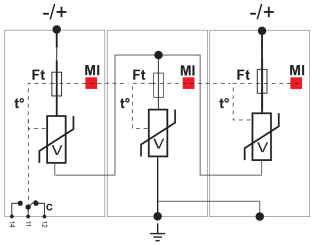
DS50PVS-1000



- MOV Technology
- UL1449 5th Edition-Type 1CA
- 40kA Surge Current Rating
- Visual fault indicator and remote contacts
- 10-Year warranty





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

Electrical Characteristics		
Network		PV network 1000 Vdc
Max. discharge current *max. withstand @ 8/20 µs by pole*	Imax	40 kA
Connection mode(s)		+/-/PE
Protection mode(s)		Common mode
Residual voltage at 5 kA *@ 5 kA (8/20µs)*	Up-5kA	3 kV
POWER SPD TYPE		UL1449 TYPE 1CA
VOLTS	(V)	1000
AC/DC/DC PV/RF		DC PV
PHASE	(PH)	
AMPS	(A)	N/A
AMBIENT MIN	(C)	-40
AMBIENT MAX	(C)	+85
MODES		DC+-DC-,DC+-G,DC--G
VPR	(V)	2500/2500/2500
MCOV	(V)	1000/1000/1000
IN *15 impulses 8/20µs*	(kA)	20
SCCR	(kA)	50
IMAX *8/20µs*	(kA)	40
Mechanical Characteristics		
Technology		MOV
Connection to Network		By screw terminals: 4-25mm² / by bus
Format		Plug-in modular box
Mounting		Symmetrical rail 35 mm (EN 60715)
Operating temperature	Tu	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection SPD of the PV line
TECHNOLOGY		MOV
NETWORK CONFIGURATION		3 poles, 2W+G
CONNECTION METHOD		SPD-Screw Terminal (8-12AWG), Terminal blocks 6AWG
MOUNTING		DIN RAIL
MATERIAL		Thermoplastic UL94-V0
NEMA RATING (IP RATING)		NEMA 2 (IP20)
FAIL-SAFE BEHAVIOR		Disconnection via fuse-link
REAL-TIME DIAGNOSTICS		Visual indicator and remote contacts
DIMENSIONS		See diagram
Standards		
Certification		UL Recognized
UL STANDARD		UL1449 5th Edition
UL FILE NUMBER		E326289
Part number		
480312		