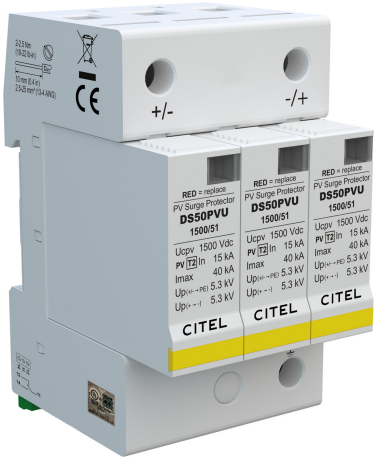
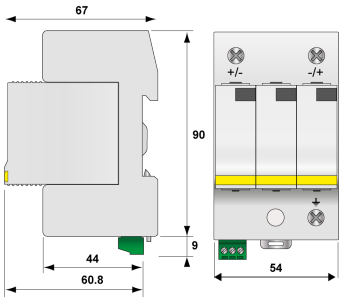
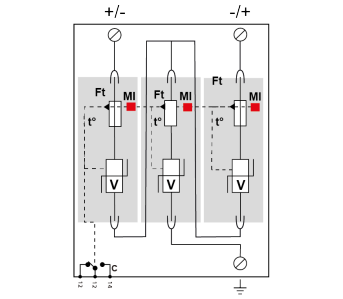
DS50PVUS-1500/51



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





V: High-energy varistor
Ft: Thermal fuse
t°: Thermal disconnection system
MI: Disconnection indicator C: Remote signal contact

Electrical Characteristics		
Network		PV 1250 Vdc
Max. discharge current *max. withstand @ 8/20 µs by pole*	Imax	40 kA
Connection mode(s)		+/-/PE
Protection mode(s)		Common/Differential mode
POWER SPD TYPE		UL1449 TYPE 1 LISTED
VOLTS	(V)	1500
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)	4000/4000/4000
MCOV	(V)	1500/1500/1500
IN *15 impulses 8/20µs*	(kA)	10
SCCR	(kA)	100
IMAX *8/20µs*	(kA)	40
Mechanical Characteristics		
Technology		MOV
Connection to Network		By screw terminals: 2.5-25mm² / 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 Listed
UL STANDARD		UL1449 5th Edition
UL FILE NUMBER		E326289
Part number		
48057155		