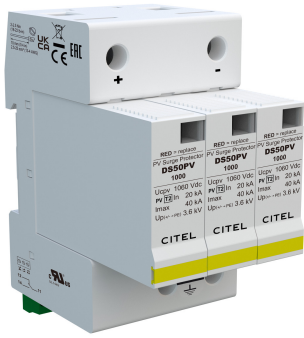


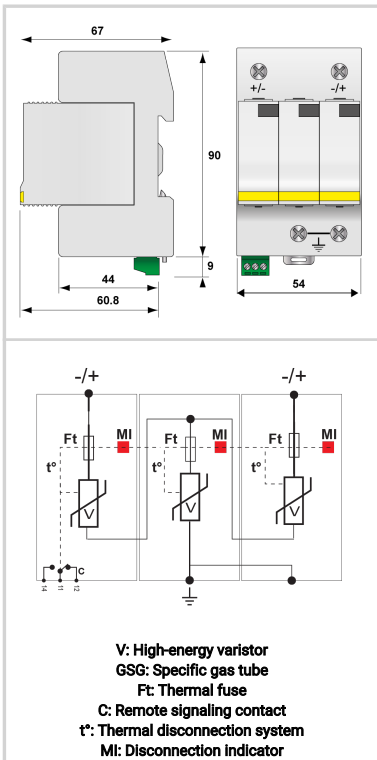


CITEL



DS50PVS-1000

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



Electrical Characteristics	
Network	PV network 1000 Vdc
Max. discharge current max. withstand @ 8/20 μ s by pole	I_{max} 40 kA
Connection mode(s)	+/-/PE
Protection mode(s)	Common mode
Residual voltage at 5 kA @ 5 kA (8/20 μ s)	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 8/20 μ s	(kA) 20
SCCR	(kA) 50
IMAX 8/20 μ s	(kA) 40
Mechanical Characteristics	
Technology	MOV
Connection to Network	By screw terminals: 4-25mm ² / by bus
Format	Plug-in modular box
Mounting	Symmetrical rail 35 mm (EN 60715)
Operating temperature	T_u -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

