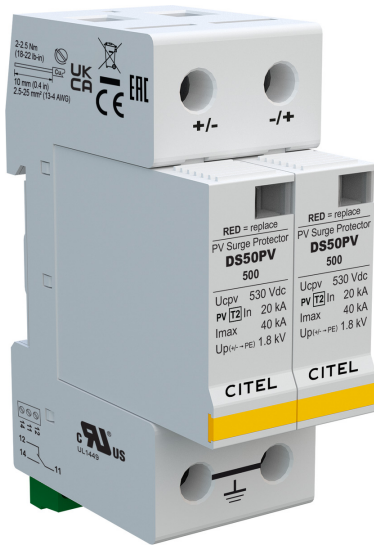


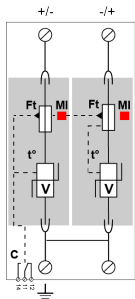


CITEL



DS50PVS-500

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



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

Electrical Characteristics		
Protection mode(s)		Differential Mode
Residual voltage at 5 kA @ 5 kA (8/20 μ s)	Up-5kA	1 kV
Protection level +/-PE (-/PE) @ In (8/20 μ s)	Up	1.8 kV
Maximum Discharge Current Imax (8/20)	kA	40.0000
POWER SPD TYPE		UL1449 5th Ed. TYPE 4CA
VOLTS	(V)	500
AC/DC/DC PV/RF		DC PV
PHASE	(PH)	
AMPS	(A)	N/A
AMBIENT MIN	(C)	-40
AMBIENT MAX	(C)	+75
MODES		DC+G or DC-G
MLV	(V)	3400/2240/2240
MCOV	(V)	800/800/800
IN 15 impulses 8/20 μ s	(kA)	20
SCCR	(kA)	n/a
Option		
Remote status dry contact electrical ratingMax Voltage	V	250.0000
Remote status dry contact electrical ratingMax Current	A	0.5000
RFI Filter		no
Installation		
Wiring type		Screw
Solid wire cross sectionMin	mm ²	4.0000
Solid Wire cross sectionMax	mm ²	25.0000
Stranded Wire cross sectionMin	mm ²	4.0000
Stranded wire cross sectionMax	mm ²	25.0000
Wire gaugeMin	AWG	12.0000
Wire gaugeMax	AWG	4.0000
Torque	Nm	2.0 - 2.5
Torque	in-lbs	17.8 - 22.1
Strip Length	mm	12.5000
Strip Length	in	0.5000
Operating TemperatureMin	°C	-40.0000
Operating TemperatureMax	°C	85.0000
Operating TemperatureMin	°F	-40.0000
Operating TemperatureMax	°F	85.0000
Operating Relative HumidityMax	%RH	95
Operating AltitudeMin	Ft	2000.0000
Operating AltitudeMax	Ft	6500.0000
Housing/Enclosure material		Thermoplastic
Flammability ratingUL 94		V0
Mounting		Din Rail
IP Environmental ratingIP		IP20
NEMA Environmental ratingNEMA		NEMA 1
Installation Location		Indoor
Spare part		Module
Product DimensionL	mm	99.0000



CITEL

DS50PVS-500

Product DimensionH	mm	67.0000
Product DimensionW	mm	54.0000
Product DimensionL	In	3.8900
Product DimensionH	In	2.6400
Product DimensionW	In	2.1300
Miscellaneous		
Individual Pack		Yes
Storage TemperatureMin	°C	-40.0000
Storage TemperatureMax	°C	85.0000
Storage Relative HumidityMax	%RH	95.0000
Mechanical Characteristics		
Technology		MOV
Connection to Network		By screw terminals: 4-25mm ² / by bus
Format		Plug-in modular box
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		Wall mount
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		cRUus
UL STANDARD		UL1449 5th Edition
UL FILE NUMBER		E326289
Part number		
480112		

