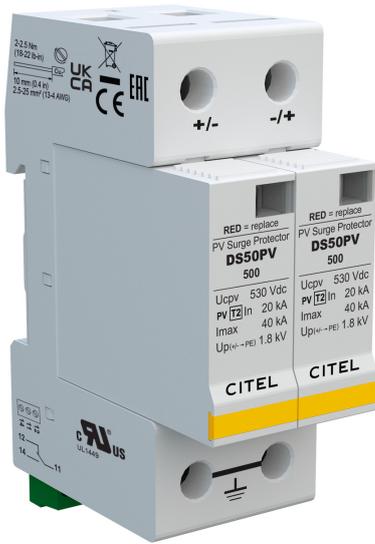


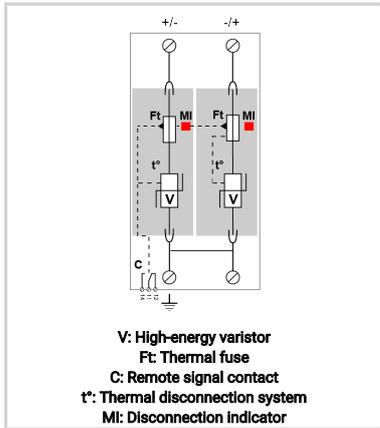


# CITEL



## DS50PVS-500

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



Electrical Characteristics		
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	<i>I<sub>max</sub></i>	40 kA
Connection mode(s)		+/-/PE
Protection mode(s)		Differential Mode
Residual voltage at 5 kA <i>@ 5 kA (8/20μs)</i>	<i>U<sub>p-5kA</sub></i>	1 kV
Protection level +/-PE (-/PE) <i>@ I<sub>n</sub> (8/20μs)</i>	<i>U<sub>p</sub></i>	1.8 kV
Maximum Discharge Current <i>I<sub>max</sub> (8/20)</i>	<i>kA</i>	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 <i>15 impulses 8/20μs</i>	(kA)	20
SCCR	(kA)	n/a
Option		
Remote status dry contact electrical rating <i>Max Voltage</i>	V	250.0000
Remote status dry contact electrical rating <i>Max Current</i>	A	0.5000
RFI Filter		no
Installation		
Wiring type		Screw
Solid wire cross section <i>Min</i>	mm <sup>2</sup>	4.0000
Solid Wire cross section <i>Max</i>	mm <sup>2</sup>	25.0000
Stranded Wire cross section <i>Min</i>	mm <sup>2</sup>	4.0000
Stranded wire cross section <i>Max</i>	mm <sup>2</sup>	25.0000
Wire gauge <i>Min</i>	AWG	12.0000
Wire gauge <i>Max</i>	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 Temperature <i>Min</i>	°C	-40.0000
Operating Temperature <i>Max</i>	°C	85.0000
Operating Temperature <i>Min</i>	°F	-40.0000
Operating Temperature <i>Max</i>	°F	85.0000
Operating Relative Humidity <i>Max</i>	%RH	95
Operating Altitude <i>Min</i>	Ft	2000.0000
Operating Altitude <i>Max</i>	Ft	6500.0000
Housing/Enclosure material		Thermoplastic
Flammability rating <i>UL 94</i>		V0
Mounting		Din Rail
IP Environmental rating <i>IP</i>		IP20
NEMA Environmental rating <i>NEMA</i>		NEMA 1
Installation Location		Indoor



# CITEL

## DS50PVS-500

Spare part		Module
Product DimensionL	mm	99.0000
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
<b>Miscellaneous</b>		
Individual Pack		Yes
Storage TemperatureMin	°C	-40.0000
Storage TemperatureMax	°C	85.0000
Storage Relative HumidityMax	%RH	95.0000
<b>Mechanical Characteristics</b>		
Technology		MOV
Connection to Network		By screw terminals: 4-25mm <sup>2</sup> / 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		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
<b>Standards</b>		
Certification		cRUus
UL STANDARD		UL1449 5th Edition
UL FILE NUMBER		E326289
<b>Part number</b>		
<b>480112</b>		

