

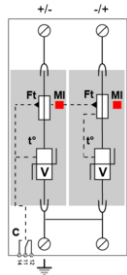


# CITEL

## 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
Protection level +/PE (-/PE) @ In (8/20µs)	Up	1.8 kV
Maximum Discharge Current I <sub>max</sub> (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 8/20µs	(kA)	20
SCCR	(kA)	n/a
Option		
Remote status dry contact electrical rating Max Voltage	V	250.0000
Remote status dry contact electrical rating Max Current	A	0.5000
RFI Filter		no
Installation		
Wiring type		Screw
Solid wire cross section Min	mm <sup>2</sup>	4.0000
Solid Wire cross section Max	mm <sup>2</sup>	25.0000
Stranded Wire cross section Min	mm <sup>2</sup>	4.0000
Stranded wire cross section Max	mm <sup>2</sup>	25.0000
Wire gauge Min	AWG	12.0000
Wire gauge Max	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 Min	°C	-40.0000
Operating Temperature Max	°C	85.0000
Operating Temperature Min	°F	-40.0000
Operating Temperature Max	°F	85.0000
Operating Relative Humidity Max	%RH	95
Operating Altitude Min	Ft	2000.0000
Operating Altitude Max	Ft	6500.0000
Housing/Enclosure material		Thermoplastic
Flammability rating UL 94		V0
Mounting		Din Rail
IP Environmental rating IP		IP20
NEMA Environmental rating NEMA		NEMA 1
Installation Location		Indoor
Spare part		Module
Product Dimension L	mm	99.0000
Product Dimension H	mm	67.0000
Product Dimension W	mm	54.0000
Product Dimension L	In	3.8900
Product Dimension H	In	2.6400
Product Dimension W	In	2.1300
Miscellaneous		
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
Failsafe mode		Disconnection SPD of the PV line
Weight		0.207 kg
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		UL listed
UL STANDARD		UL1449 5th Edition
UL FILE NUMBER		E326289
<b>Part number</b>		
<b>480112</b>		