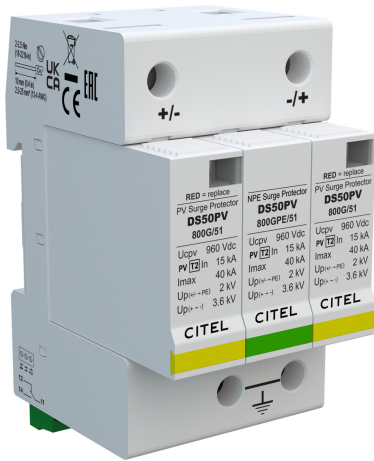


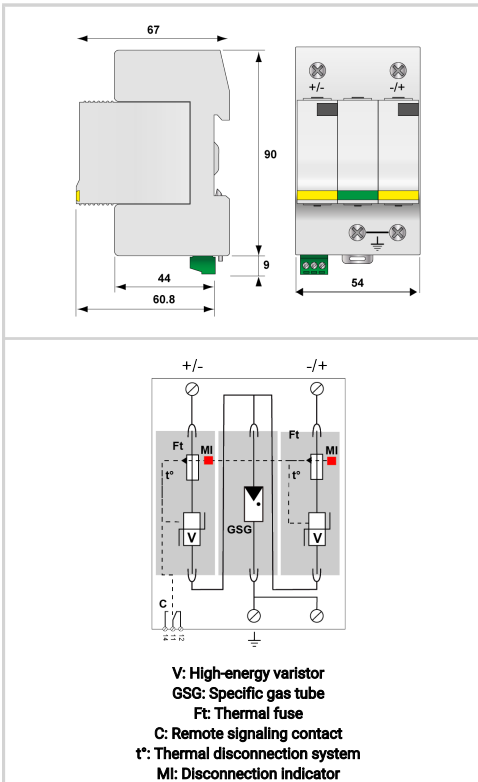


# CITEL



## DS50PVS- 800G/51

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



Electrical Characteristics		
Network		PV network 800 Vdc
Total Maximum discharge current <i>max. total withstand @ 8/20 μs</i>	<i>I</i> <sub>max</sub> Total	60 kA
Protection mode(s)		Common/Differential mode
Protection level +/-PE (-/PE) <i>@ I<sub>n</sub> (8/20μs)</i>	<i>U</i> <sub>p</sub>	2 kV
Maximum Discharge Current <i>I</i> <sub>max</sub> (8/20)	kA	40.0000
MCOV	(V)	800/800/800
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
Spare part		Module
Product Dimension <i>L</i>	mm	99.0000
Product Dimension <i>H</i>	mm	67.0000
Product Dimension <i>W</i>	mm	54.0000
Product Dimension <i>L</i>	In	3.8900
Product Dimension <i>H</i>	In	2.6400
Product Dimension <i>W</i>	In	2.1300
Miscellaneous		
Individual Pack		Yes
Storage Temperature <i>Min</i>	°C	-40.0000
Storage Temperature <i>Max</i>	°C	85.0000
Storage Relative Humidity <i>Max</i>	%RH	95.0000
Mechanical Characteristics		
Technology		MOV+GDT
Connection to Network		By screw terminals: 2.5-25mm <sup>2</sup> / by bus
Format		Plug-in modular box
Failsafe mode		Disconnection SPD of the PV line
Standards		
Certification		
Part number		



CITEL

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**DS50PVS- 800G/51**

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