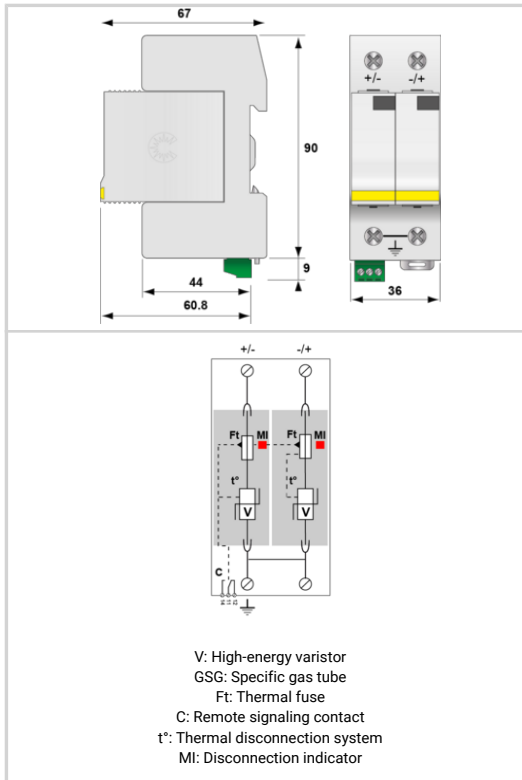


## DS50PVS-600



### UL Type 1CA DC SPD

- Designed with High Energy MOV's
- Modular Design for Ease of Maintenance
- Integrated Status Indicator Window
- I<sub>max</sub> : 40 kA /pole at 8/20 $\mu$ s
- I<sub>n</sub> : 20 kA /pole at 8/20 $\mu$ s
- UL 1449 5th Edition Recognized



Electrical Characteristics		
Protection mode(s)		Common/Differential mode
Protection level +/-PE (-/PE)@ In (8/20 $\mu$ s)	Up	2.5 kV
Maximum Discharge CurrentI <sub>max</sub> (8/20)	kA	40.0000
Maximum Discharge CurrentI <sub>max</sub> (8/20)	kA	40.0000
Maximum Discharge CurrentI <sub>max</sub> (8/20)	kA	40.0000
POWER SPD TYPE		UL1449 TYPE 1CA
VOLTS	(V)	600
AC/DC/DC PV/RF		DC PV & DC
PHASE	(PH)	-
AMPS	(A)	N/A
AMBIENT MIN	(C)	-35
AMBIENT MAX	(C)	+85
MODES		DC+G or DC-G
MCOV	(V)	670/670/670
IN15 impulses 8/20 $\mu$ s	(kA)	20
SCCR	(kA)	100
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 <sup>2</sup>	4.0000
Solid Wire cross sectionMax	mm <sup>2</sup>	25.0000
Stranded Wire cross sectionMin	mm <sup>2</sup>	4.0000
Stranded wire cross sectionMax	mm <sup>2</sup>	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
Product DimensionH	mm	67.0000
Product DimensionW	mm	36.0000
Product DimensionL	In	3.8900
Product DimensionH	In	2.6400
Product DimensionW	In	1.4200
Miscellaneous		
Individual Pack		Yes
Storage TemperatureMin	°C	-40.0000

## DS50PVS-600

Storage TemperatureMax	°C	85.0000
Storage TemperatureMin	°F	-40.0000
Storage TemperatureMax	°F	85.0000
Storage Relative HumidityMax	%RH	95.0000
<b>Mechanical Characteristics</b>		
Weight		0.218 kg
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
<b>Standards</b>		
Certification		UL Recognized
UL STANDARD		UL1449 5th Edition
UL FILE NUMBER		E326289
<b>Part number</b>		
<b>480411</b>		