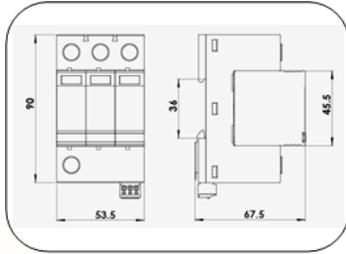
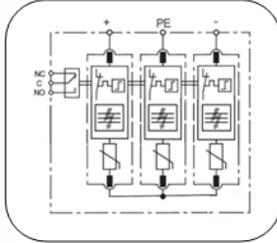


# APS- SDP PV 3P-CLASS II 1000VDC

PV50/1000-V-CD-S



Dimension drawing



Basic circuit diagram

## MAIN FEATURES

- Type 1 SPD designed for low voltage system protection against surges at the boundaries from lightning protection zone 1-2 and higher.
- Type 1 surge protective devices for PV system
- DC SPD for common mode & Differential mode protection
- ETL certified surge protector according to UL1449-4<sup>th</sup>, SCCR 200kArms
- Pluggable design with window fault indication
- Nominal discharge current  $I_n$  20kA 8/20 per pole, max discharge current  $I_{max}$  50kA 8/20 per pole
- High reliability due to global patented thermally protected MOV (TPMOV) with special arc-extinguish device

## TECHNICAL SPECIFICATIONS

Part. No	PV50-1000-V-CD-S	
In accordance with	UL1449-4th	
Category IEC / VDE	Type1 CA	
Protection Mode	Common Mode & Differential Mode	
Nominal Voltage (VDC)	Un	1000
Max. Permitted DC Voltage	Vpvc	1120
Nominal Discharge Current (8/20)	In	20kA
Max. Discharge Current (8/20)	I <sub>max</sub>	50kA
Voltage Protection Rating	VPR	<1.5kV
Leakage (Quiescent) Current	I <sub>q</sub>	<2.5μA
Short Circuit Rating	SCCR	200kA
Response Time		≤25 ns
Follow Current		No
Backup Fuse (only if not provided by mains)		125A gR / gPV
Operating Temperature Range		- 40 °C ~ + 80 °C
Cross-section of Connection Wire		Single-strand 35mm <sup>2</sup> ; multi-strand 25mm <sup>2</sup>
Mounting		35mm DIN-rail in accordance with EN 50022 / DIN46277-3
Enclosure Material		Thermoplastic; extinguishing degree UL94 V-0
Degree of Protection		IP20
Installation Width		4 modules, DIN 43880
Thermal Disconnecter		Internal green – normal; red – failure
Remote Alarm Contact		“-S” means with remote alarm contact
Approvals, Certifications		ETL / CE
<b>Additional Data for Remote Alarm Contacts</b>		
Remote Alarm Contact Type		Isolated Form C
Switching Capability Un / In		AC: 250V/0.5A DC: 250V/0.1A; 125V/0.2A; 75V/0.5A
Max. Size of Connecting Wire		Max. 1.5mm <sup>2</sup> (or # 16AWG)



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