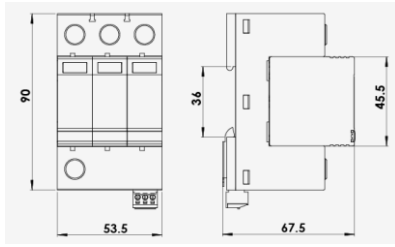
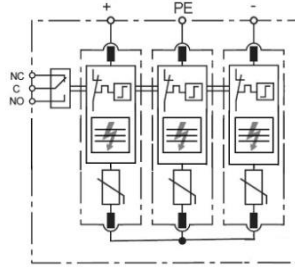


APS- SDP PV 3P-CLASS II 600VDC

PV50/600-V-C-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 systems
- Offers common mode protection
- ETL certified surge protector according to UL1449-4th
- 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	PV50-600-V-C-S
In accordance with	UL1449-4th
Category IEC / VDE	Type1 CA
Protection Mode	Common Mode
Nominal Voltage (VDC)	U_n
Max. Permitted DC Voltage	V_{pvdc}
Nominal Discharge Current (8/20)	I_n
Max. Discharge Current (8/20)	I_{max}
Voltage Protection Rating	VPR
Leakage (Quiescent) Current	I_q
Short Circuit Rating	SCCR
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 ² ; multi-strand 25mm ²
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	2 modules, DIN 43880
Thermal Disconnecter	Internal green – normal; red – failure
Remote Alarm Contact	“-S” means with remote alarm contact
Approvals, Certifications	ETL / CE
Additional Data for Remote Alarm Contacts	
Remote Alarm Contact Type	Isolated Form C
Switching Capability U_n / I_n	AC: 250V/0.5A DC: 250V/0.1A; 125V/0.2A; 75V/0.5A
Max. Size of Connecting Wire	Max. 1.5mm ² (or # 16AWG)