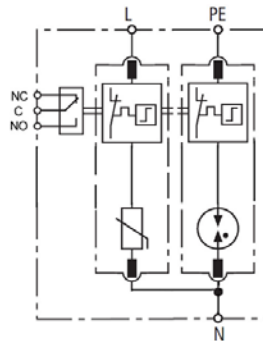
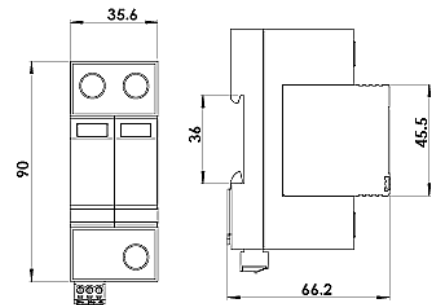


## SURGE ARRESTERS – CLASS II

### S-SPV48-V-C-S



Basic circuit diagram



Dimension drawing

- UL recognized Type 1 ca PV SPD with high energy MOV technology
- High reliability due to global patented thermally protected with special arc-extinguish device
- High surge current discharge capacity up to 50kA 8/20uS
- Short circuit current rating (UL144,SCCR) up to 100kA tested without external fuse or CB.
- Prewired V protection circuit, for common mode protection
- Pluggable module for easy replacement
- Degradation indication & optional remote signal contact
- Comply with IEC61643-31, EN50539-11, UL 1449 4<sup>th</sup>, IEEE C62.41, CSA C22.2

Type	S-SPV48-V-C-S	
Compliance	IEC61643-31, EN50539-11, UL1449 4th	
Category EN/IEC/UL	T2/Class II / Type 1 ca	
Nominal PV System Voltage (DC)	Un	48V
Max.permitted DC voltage	Vpvdc	85V
Technology	High energy MOV Technology TPAE technology	
Ports/Protection Mode	1 / Common	
Nominal Discharge Current (8/20us)	In	20kA
Max.Discharge Current (8/20us)	Imax	50kA
Voltage Protection Rating	VPR	<0.8kV
Leakage (Quiescent) Current	Iq	<2.5uA
Short Circuit Current Rating per UL 1449 4th	Iscsr	30kA
Response Time	tA	<25ns
Follow Current	Ii	No
Environment	Temperature Range: -40 C - + 85 C ; Humidity: <95%; Altitude: <2000m	
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	2 modules, DIN 43880	
Thermal disconnector	Internal green-normal ; red - failure	
Remote Alarm Contact	Yes	
Approvals, certification	UL, CE	
Additional Data for Remote Alarm Contacts		
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. 1.5 mm <sup>2</sup> (or # 16AWG)	