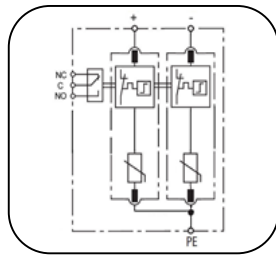
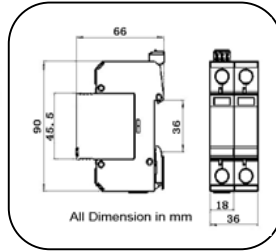


# APS SPD PV 2P– CLASS II 48VDC

PV40/48-V-C-S



Basic circuit diagram



Dimension drawing

## MAIN FEATURES

Type 2 surge arrester designed for low voltage DC system against surges at the boundaries from lightning protection zone 0B-2 and higher.

- In accordance with EN50539, IEC61643-11 and UL1449-4th
- DC SPD for common mode protection
- Pluggable module design, easy replacement
- High discharge current 40kA 8/20
- Reliable supervision due to disconnection device;
- Fault indication by red indication flag in window
- With remote alarm terminal output

## TECHNICAL SPECIFICATIONS

Part. No	PV40-48-V-C-S	
In accordance with	EN 50539; IEC 61643 - 11:2011; UL1449-4th	
Category IEC / VDE	II / C	
Protection Mode	Common Mode	
Nominal Voltage (VDC)	Un	48
Max. Continuous Operating Voltage (VDC)	Uc	75
Nominal Discharge Current (8/20)	In	20kA
Max. Discharge Current (8/20)	I <sub>max</sub>	40kA
Voltage Protection Rating	Up	<350V
	VPR	<300V
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	2 modules, DIN 43880	
Thermal Disconnecter	Internal green – normal; red – failure	
Remote Alarm Contact	Optional	
Approvals, Certifications	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)	