

APS- SPD PV 3P– CLASS I+2 1000VDC

PVB12.5/1000-V-CD-S



MAIN FEATURES

Type 1+2 surge arrester designed for low voltage system protection, against surges at the boundaries from lightning protection zone OB-2 and higher.

- Class I+II SPD for use in photovoltaic systems
- In accordance: IEC61643-11, EN50539-11, UL1449-4th
- Common mode and differential mode surge protection
- High surge capability of 12.5kA 10/350 per mode
- Reliable supervision due to disconnection device
- Fault indication by red indication flag in window
- With remote alarm terminal optional

TECHNICAL SPECIFICATIONS

Part. No	PVB12.5-1000-V-CD-S	
In accordance with	EN 50539-11:2012; IEC 61643-11:2011; UL1449-4th	
Category IEC / VDE	I+II / B+C	
Protection Mode	Common Mode	
Lightning Impulse Current (10/350)	Iimp	12.5kA
Max. Continuous Operating Voltage (VDC)	Uc	1060
Nominal Discharge Current (8/20)	In	12.5kA
Max. Discharge Current (8/20)	Imax	100kA
Voltage Protection Rating	In	3.2kV
	VPR	2.6kV
Response Time	≤25 ns	
Follow Current	No	
Backup Fuse (only if not provided by mains)	160A gR / gPV (1100 Vdc)	
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	6 modules, DIN 43880	
Thermal Disconnecter	Internal green – normal; red – failure	
Remote Alarm Contact	Optional	
Approvals, Certifications	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. 1.5mm ² (or # 16AWG)	