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SPM Series - 1000V DC **Surge Protection Module** for Photovoltaic Installations

Key Features:

- Compliant with IEC 61643-1 & 61643-11
- Internal Thermal/Current Fuse
- Pluggable Modules for Easy Maintenance
- Type 2 Surge Protector
- $I_{max} = 40kA$, $I_n = 20kA$
- Remote Signalling Option

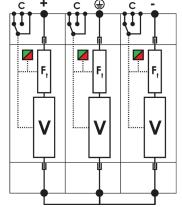
The 1000V DC SPM is a robust type 2 surge arrester designed to be installed at either end of the cable between photovoltaic panels and inverter.

The protection device utilises high reliability EU manufactured Metal Oxide Varistors (MOV) connected via a thermal/overcurrent disconnector with visual and remote indication.

Specific system voltages and protection levels can be catered for, please contact our applications desk for further information.



Circuit Diagram

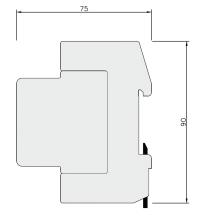


Module Indication



Key:			
С	Remote Output		
F,	Thermal Fuse		
٧	Varistor Assembly		
	Visual Indication		

Dimensions



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Characteristics				
Network Voltage		1000V DC		
Max operating Voltage		1060V DC		
Max. Discharge Current (8/20µs)		40 kA		
Nominal Discharge Current (8/20µs)		20 kA		
Protection Level @ 25kA		4.0 kV		
Protection Level @ 20kA		3.8 kV		
Protection Level @ 15kA		3.4 kV		
Protection Level @10kA		3.1 kV		
Protection Level @ 5kA		2.8 kV		
Leakage Current @ U _c		<100 μΑ		
Response Time		<10 ns		
Short Circuit Current		25 kA		
Internal Disconnector		Thermal/Current		
Max. Backup Fuse/MCB rating*		50A gG/63A 'C'		
L,N&E Connections Max.		4-35mm ¹		
Remote Signalling Connections Max.		1mm²		
Operating Temperature		-40 to +70°C		
IP Rating		20		
Housing Material		FR ABS, UL94-V0		
Mounting		35mm DIN		
Protection Mode		Common/Differential		
Part Code (No Remote)		3SPM/40/1000DC		
Part Code (With Remote)		3SPM/40/1000RDC		