

XLSPD-PV

SOLAR DC SURGE PROTECTIVE DEVICE (DC SPD)

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Application

XLSPD-PV is a Type 1+2 surge protector specially designed for photovoltaic power generation, it is installed at the outlet of photovoltaic panels with high risk of direct lightning strike, it is suitable for photovoltaic system protection with DC voltages of 1000V and 1500V.

Features

OType surge protective device for Photovoltaic
OVG-Technology
OUp to 1500 Vdc
ONo leakage, no operating currents
OImpulse currents I_{imp}/I_{total} : 5/20us & 10/350 us

OCommon and Differential Mode protection
OPlug-in modules
ORemote Signaling (option)
OEN 61643-31 compliance

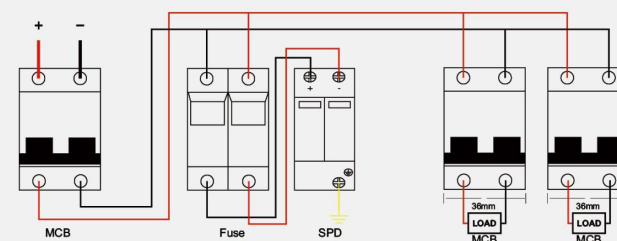
Specifications

Model	XLSPD-PV			
Description		63		
Pole		2P	3P	3P
Protection mode		CM/DM		
Max. operating voltage	Ucpv	600Vdc	1000Vdc	1500Vdc
Current withstand short-circuit	Iscpv	1000A		
Operating current - to the voltage Ucpv	Icpv	none		
Leakage current - to the voltage Ucpv	Ipe	none		

Specifications

Model	XLSPD-PV			
Follow current	If	none		
Nominal discharge current - 8/20 us	In	20KA		
Max discharge current by pole - 8/20 us	I _{max}	40KA		
Max. Lightning current by pole - 10/350 us	I _{imp}	5KA		
Total lightning current - 10/350 us	I _{total}	10KA		
Total Maximal discharge current - 8/20 us	I _{total}	60KA		
Protection level CM/DM(at In)	Up	2.8KV	4KV	5KV
Mechanical characteristics				
Dimensions		See diagram		
Connection		Screw terminal for 2.5-25 mm ² wire		
Disconnection indicator		1 mechanical indicator by pole		
Remote signaling		Option XLSPD-PV - Output on changeover contact		
Mounting		Symmetrical rail 35mm (EN60715)		
Operating temperature		-40°C-+85°C		
Protection class		IP20		
Housing material		Thermoplastic UL94-VO		

Wiring Diagram



Dimensions

