SOLAR DC SURGE PROTECTIVE DEVICE (DC SPD)

FSP-D40 **Solar DC Surge Protective Device** (DC SPD)





Surge protective device, protect against lightning surge voltages in solar system (photovoltaic power supply system).

These units must be installed in parallel on the dc networks to be protected and provide common and different modes protection. Its installed location are recommended at both ends of the dc power supply line (solar panel side and inverter/converter side), especially if the line routing is external and long.

High energy MOVs equipped with specific thermal disconnectors and related failure indicators.

FSP-D40 Surge protector	FSP-D40	
PVDC - specific (IEC66I43-I /EN61643 -11)		
Pole	2P	3P
Electrical parameter		
Classified test	II	II
Uoc max (VDC)	600	1000
Uc(VDC)	600	1000
In (8 /20)us (kA)	20	20
lma x (8 /20)us (kA)	40	40
Up(kV)	2.0	3.8

Remotesignal Contact

Remote	Maximum working voltage (V)	250VAC/30VDC	250VAC /30VDC
signal	Maximum working current (A) IA (250 V /AC)	IA (250V/AC)	IA (250V /AC)
contact	I A (30 V DC)	IA (30V/AC)	IA (30V /AC)

Installation and Dimensions

Wiring capacity(mm²)	Hard wire	4~25	4~25	
willing capacity(mm)	Flexible wire	4~16	4~16	
Stripping length(mm)		10	10	
Terminals crcwa		M5	M5	
Torque (Nha)	Main circuit	3.5	3 .5	
Torque (Nm)	Remote signal contact	0.25	0.25	
Protection class	All profile	IP40	IP40	
Protection class	Connection port	IP20	IP20	
Installation environment		No obvious shock and vibration		
Altitude (m)		≤2000	≤2000	
Working Temperature		-30℃ ~ +70℃	-30℃ ~ +70℃	
Relative humidity		30%~90 %	30%~90 %	
How to install		Installed with H 35-7.5/DIN35 steel mounting rail		
Ci ()	W	36	54	
Size (mm) (W x H x L)	Н	90	90	
(VV \ \ L)	L	67.6	67.6	
Weight (kg)		0.24	0.36	

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