FATECH

Electrical Specification

MODEL NO.	iSPD20C/x-150S	iSPD20C/x-275S	iSPD20C/x-320S	iSPD20C/x-385S	iSPD20C/x-440S
CLASSIFICATION(IEC61643-1:2005)	Class II				
Earthing system	TT				
Max.cont ac operation voltage U_c	150Vac	275Vac	320Vac	385Vac	440Vac
Max.cont dc operation voltage U_c	200Vdc	350Vdc	410Vdc	505Vdc	615Vdc
Max.discharge current(8/20μs) I_{max}	40kA				
Nominal discharge current (8/20μs) I_n	20kA				
Protection level U_p	≤1.0kV	≤1.3kV	≤1.5kV	≤1.8kV	≤2.2kV
Isolation insistance	>10^2MΩ				
Response time tA	≤25ns				
Recommended back-up fuse	125A				
I/O Connections	Multi core wire:4~25mm^2 , Singl core wire:4~35mm^2				
Mounting type	Symmetrical rail (EN50022/DIN46277-3)				
Ambient temprtature	-40℃~+85℃				
Permissible humidity	30 ﹪~90 %				
Degree of protection	IP20				
Housing material	UL94V0				
Disconnection indicator	Mechanical indicator(Green: OK, Red: Replace)				
Temperature monitoring	inside:~100℃				
Remote control contact	Optional				

Model No.	iSPD-M
Function	Collect 5 channels signals: 1 channel SPD remote control contacts signals, 1 channel ground connection working status 1 channel circuit-breaker working status, 1 channel SPD action times (surge counting) 1 channel SPD Real time temperature（max 4 way）
Power supply	220V~,50(60)Hz
Indication window	3 digits(0~999)
Max.Discharge current	5kA (8/20μs)
SPD real time temperature monitoring	1 channel/indication window max. 4 ways/through indication window.Switch the temperature of 1-4 channels by button. such as 1.40 to indicate the first way 40 degrees,4.80 means the fourth way 80 degrees.
Grounding monitoring	1 channel / Detecting the working state of grounding system
SPD real time temperature alarm	audible alarm through the buzzer
SPD Remote signal monitoring	1 channel / built-in signal interface
Lightning counting	1 channel / (0~999)sensor
Circuit-breaker ststus monitoring	1 channel / Determine whether SPD is working
Network	Flexible networking
Agreement	Specific agreement
Communication	RS485
Installation	35mm DIN rail
Operation temperature range	-40℃~+85℃
Humidity	30 ﹪~90%
Degree of protection	IP20
Housing material	UL94V0