

HCSPD1 DC Surge Protector

Product Features:

- Pressure sensitive chip adopts high performance MOV;
- The built-in disconnecter adopts isolation breaking design;
- Remote communication interface (optional);
- Modules can be pluggable;
- The bus adopts hidden type;

Compliance:

- ◇ IEC 61643-31
- ◇ EN 61643-31

Approvals:

- ◇ CB
- ◇ CE
- ◇ RoHS
- ◇ S



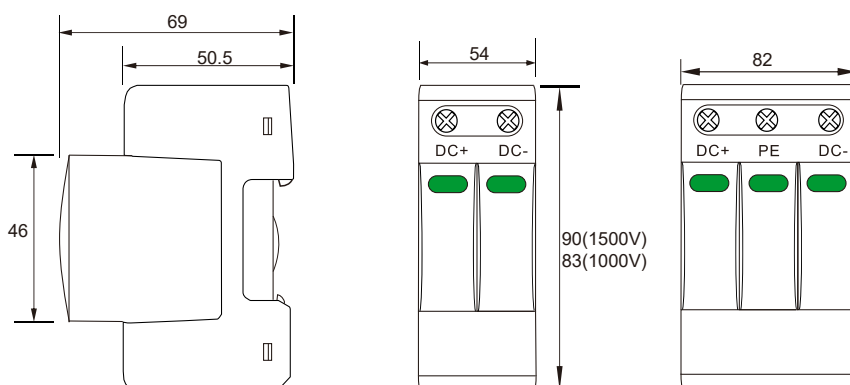
Product Model

	HC	SP	D	1	-1000	/3	R	
HC	Company Code							
Surge Protection								
Voltage Type	D:DC; A:AC							
Series Code	1 Series Code							
Voltage	600:600Vdc; 1000:1000Vdc; 1500:1500Vdc							
Pole	2:2 poles (U Type); 3:3 poles (Y Type)							
Types	R:With RC; N:No RC							

Technical Data

IEC Electrical			
Model	600	1000	1500
Structure	U -Type	Y -Type	Y- Type
Maximum continuous operating voltage (Ucpv)	600V	1000V	1500V
Nominal discharge current (PV In)	20kA	20kA	20kA
Maximum discharge current (Imax)	40kA	40kA	40kA
Voltage protection level (Up)	3.0kV	3.0kV	3.0kV
Response time (T _Δ)	≤25ns	≤25ns	≤25ns
Degrees of protection provided by enclosure	IP20	IP20	IP20
Remote signaling contact (optional)	11, 14 normally open; 11, 12 normally closed	11, 14 normally open; 11, 12 normally closed	11, 14 normally open; 11, 12 normally closed
Local alarm indication	Normal green, fault red	Normal green, fault red	Normal green, fault red
Installation method	35mm mounting rail	35mm mounting rail	35mm mounting rail
Mechanical & Environmental			
Operating Temperature Range	T _a	-40 °F to +158 °F [-40 °C to +70 °C]	
Permissible Operating Humidity	RH	5%...95%	
Atmospheric pressure and altitude		80 kPa ... 106 kPa / -500 m ... 2000 m	
Terminal Screw Torque	M _{max}	39.9 lbf·in [4.5 Nm]	
Conductor Cross Section (max)		2 AWG (Solid, Stranded)/ 4 AWG (Flexible) 35 mm ² (Solid, Stranded)/ 25 mm ² (Flexible)	
Mounting		35 mm DIN Rail, EN 60715	
Degree of Protection		IP 20 (built-in)	
Housing Material		Thermoplastic: Extinguishing Degree UL 94 V-0	
Thermal Protection		Yes	
Operating State / Fault Indication		Green ok / Red defect	
Remote Contacts (RC)		Option	
RC Switching Capacity		AC: 250V / 0.5 A; DC: 250V / 0.1 A; 125 V / 0.2 A; 75 V / 0.5	
RC Conductor Cross Section (max)		16 AWG (Solid)/ 1.5 mm ² (Solid)	

Dimensions (mm)



Contact Configuration

