Surge protective devices

SP10-C40N



Summary

The surge protection device belongs to T2 AC power surge protector, which is installed between the power supply network and the equipment to drain, suppress and reduce the overcurrent and overvoltage caused by induced lightning strikes or the power grid system, so as to reduce the harm to the electrical equipment

Characteristic

Location of Use:sub-distribution cabinet,JP cabinet etc.
Network Systems: TN-S, TN-C, TT
Mode of Protection:L-PE、N-PE、L-N
Protective Elements:High Energy MOV

Chinese Standard:GB/T 18802.11-2020
IEC standard:IEC 61643-11：2011
European standard :EN 61643-11：2012
Certificates:TUV, CE

Technical Data（Type 2 (T2)）

Technical Data				
Max Continuous Operating Voltage	(AC) Uc	275V	320V	385V
Rated Voltage	(AC) Un	220V	220V	220V
Nominal discharge current（T2)	In	20kA	20kA	20kA
Maximum discharge current	Imax	40kA	40kA	40kA
Protection level	Up(L-N)	1.5kV	1.5kV	1.8kV
Protection level	Up(N-PE)	1.2kV	1.2kV	1.2kV
Follow Current Interrupt Rating	I_{fi}	100A(N-PE)		
Response Time	t_A	25ns		
SPD Special disconnector	Recommend	T-SSD40		
TOV	N-PE	1200V		
Residual current-Leakage current at	Ipe	NONE		
Admissible short-circuit current	Isccr	25000A		
Remote communication		With		
Remote communication connection		14 11:NO，11 12:NC		
Remote contact rated current		220V/0.5A		

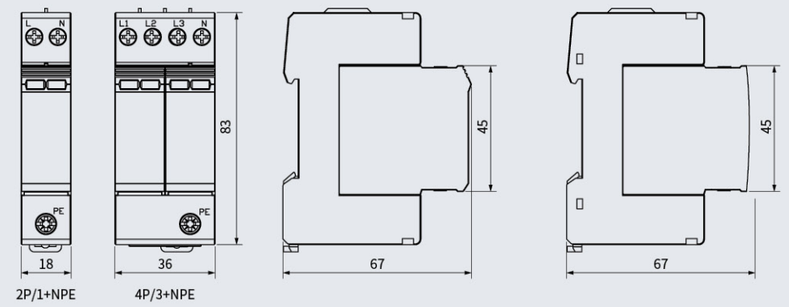
Associated disconnectors	
Thermal	disconnector internal

Mechnical characteristics	
Connection By screw terminals	4-16 mm^2
Terminal Screw Torque	The upper 1.2Nm，The bottom 2.0 Nm
Recommended Cable cross Section	⩾ 10mm^2
Insert wire length	The upper 12mm，The bottom 15mm
Mounting DIN rail	35mm (EN60715)
Degree of Protection	IP20
Housing	PBT/PA
Flame retardant grade	UL94 V0
Operating temperature	-40℃～ +70℃
Operating relative humidity	5%-95%
Working atmospheric pressure	70kPa ～ 106kPa

Size

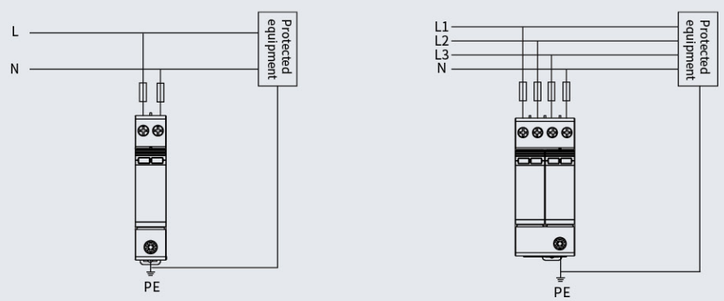
Poles	2P	1+NPE	4P	3+NPE
Size (mm)	18×83×67	18×83×67	36×83×67	36×83×67
Packing	Inner box			
Delivery packaging	Carton or Pallet			

Dimensional drawing



Schematic diagram

Wiring diagram



CE