Surge protective devices

GSP9-BC12.5



Summary

The surge protection device belongs to T1+T2+T3 AC power surge protector, which is installed between the power supply network and the equipment, 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-PEN, 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:CE

Technical Data（T1+T2+T3）

Technical Data		L-N			N-PE
Max Continuous Operating Voltage	(AC) Uc	275V	275V	27 5V	255V
Rated Voltage	(AC) Un	220V	220V	220V	220V
Maximum impact current(T1)	Iimp	6.25kA	8kA	12.5 kA	25kA
Nominal discharge current(T2)	In	20kA	20kA	20kA	25kA
Open circuit voltage(T3)	Uoc	20kV	20kV	20kV	20kV
Protection level	Up	1.25kV	1.25kV	1.25kV	1.5kV
Follow Current Interrupt Rating	I_{fi}	300A	300A	300A	100A
Response Time	t_A	25ns	25ns	25ns	100ns
SPD Special disconnector	Recommend	LT-SSD15X			
TOV	N-PE	1200V			
Residual current-Leakage current at	Ipe	NONE			
Remote communication		With			
Remote communication connection		14 11:NO，11 12:NC			
Remote contact rated current		220V/0.5A			

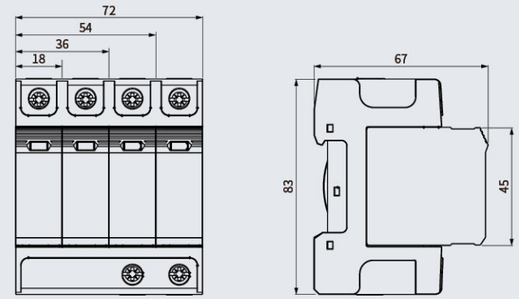
Associated disconnectors	
Thermal	disconnector internal

Mechnical characteristics	
Connection By screw terminals	6-25 mm²
Terminal Screw Torque	2.5 Nm
Recommended Cable cross Section	⩾ 16mm²
Insert wire length	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

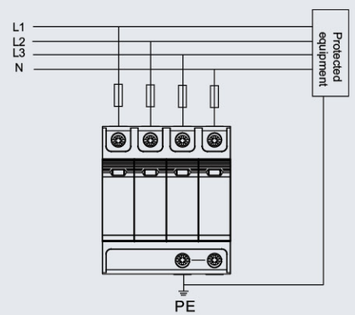
Poles	1P	1+NPE	2P	3P	4P	3+NPE
Size (mm)	18×90×67	36×90×67	36×90×67	54×90×67	72×90×67	72×90×67
Packing	Inner box					
Delivery packaging	Carton or Pallet					

Dimensional drawing



Schematic diagram

Wiring diagram



CE

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