GEYA

Surge protective devices

GSP9-D20
GSP9-C40



Summary

It is mainly used to provide T2 protection for various electronic and electrical equipment in buildings vulnerable to lightning overvoltage. Mainly used as primary protection equipment in the main distribution system.

Characteristic

Location of Use: 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/T18802.11-2020
IEC standard : IEC 61643-11:2011
European standard : EN 61643-11：2012
Certificates: TUV, CE, CQC

Technical Data（Type 2(T2) SPD）

Technical Data			
Model number		GSP9-D20	GSP9-C40
Max Continuous Operating Voltage	Uc(V~)	275/320/385/440	275/320/385/440
Nominal discharge current	In(kA)	10	20
Maximum discharge current	Imax(kA)	20	40
Protection level	Up(kV)	<1.3/1.4/1.6/1.8	<1.4/1.5/1.8/2.2
Response time	(ns)	<25	<25
General parameter			
Access wire area	(mm^2)	⩾ 10	⩾ 10
Access ground cross-sectional area	(mm^2)	⩾ 16	⩾ 16
SPD special disconnector	Recommend	LT-SSD40	LT-SSD40
Working environment		-40~+70° C,relative humidity<95% (below 25°C)	
Remote communication connection		14 11:NO，11 12:NC	

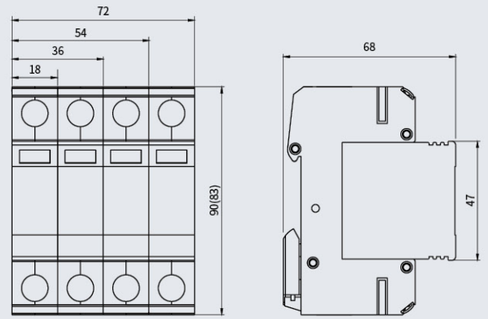
Associated disconnectors	
Thermal	disconnector internal

Mechnical characteristics	
Connection By screw terminals	6-25 mm^2
Terminal Screw Torque	2.5 Nm
Recommended Cable cross Section	⩾ 16mm^2
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

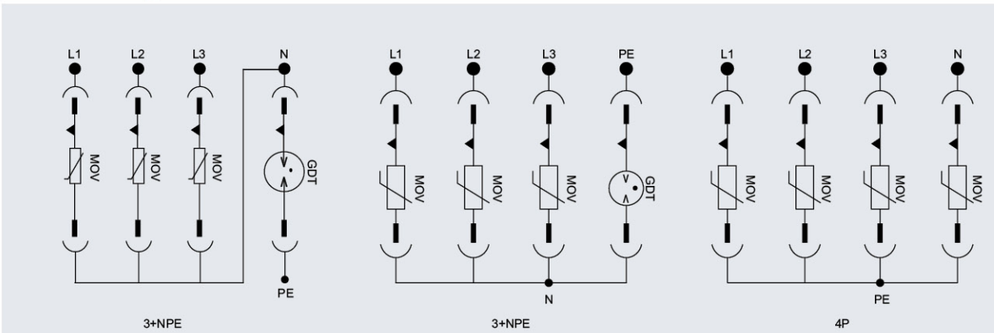
Size

Poles	1P	1+NPE	2P	3P	4P	3+NPE
Size (mm)	18×90(83)×67	36×90(83)×67	36×90(83)×67	54×90(83)×67	72×90(83)×67	72×90(83)×67
Packing	Inner box					
Delivery packaging	Carton or Pallet					

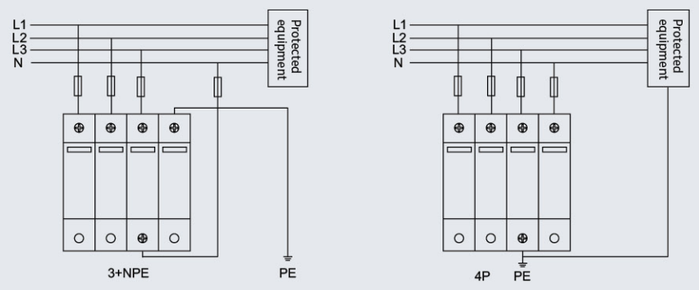
Dimensional drawing



Schematic diagram



Wiring diagram



CE

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