Cherish resources and treat the environment well

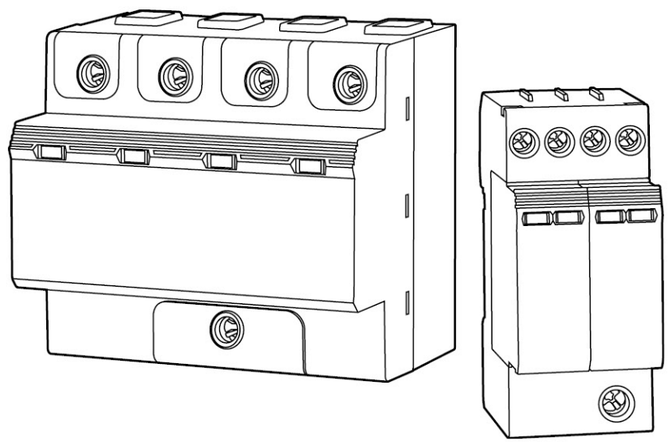
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SURGE PROTECTION DEVICE

LIGHTNING ARRESTER



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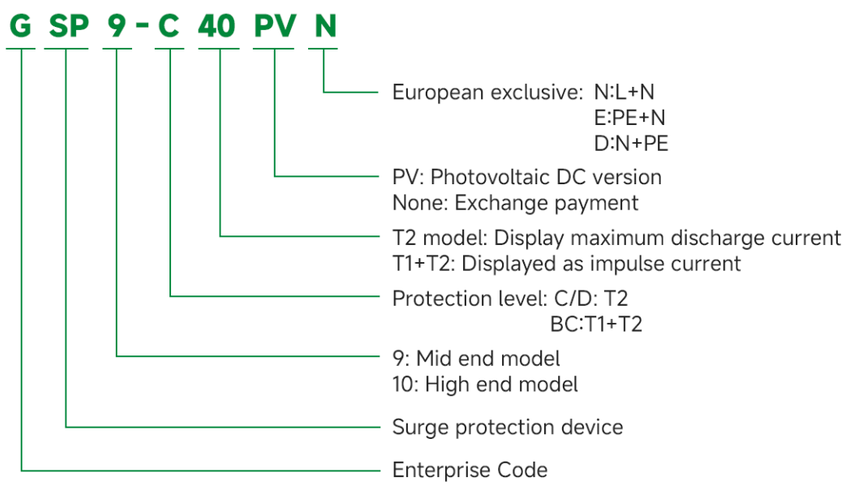
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PRODUCT CATALOG

GSP9-D20、GSP9-C40 01-02
GSP9-C40PV 03-04
GSP10-C20D、GSP10-C40E 05-06
GSP10-C40N 07-08
GSP9-C60、 GSP9-C80、 GSP9-C100、 GSP9-C160 09-10
GSP9-BC12.5 11-12

9 series can be made into high-end 10 series models

premium model
1. Higher quality pressure-sensitive chips:
2. Adopt environmentally friendly soldering materials
3. Unique tripping insulation isolation technology
(Timely and effectively cut off the arc when the surge protector fails and trips)

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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	SSD40	SSD40
Working environment		-40~+70° C,relative humidity<95% (below 25°C)	
Remote communication connection		14 11:NO，11 12:NC	

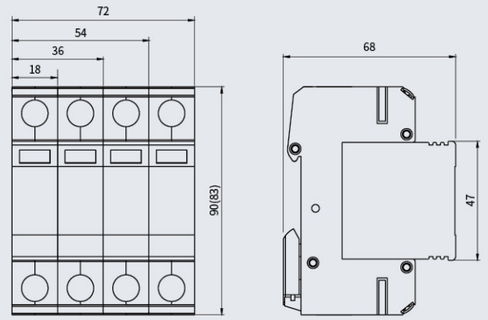
Associated disconnectors	
Thermal	disconnector internal

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

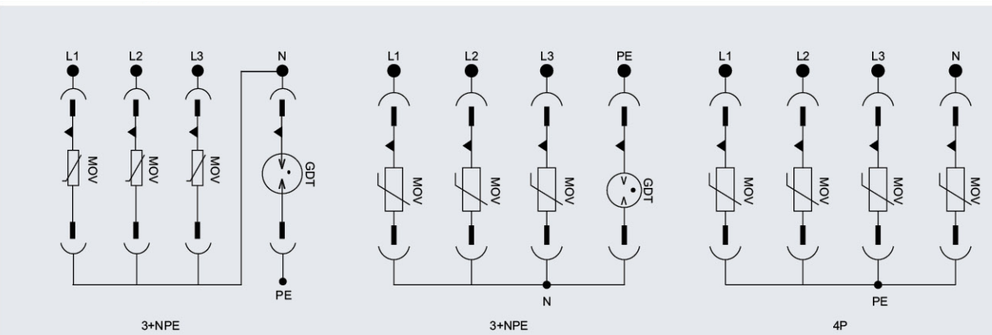
Size

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					

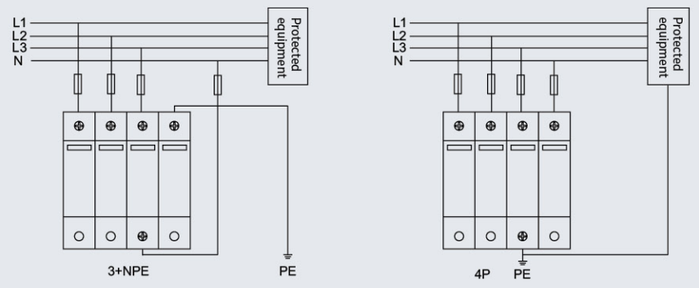
Dimensional drawing



Schematic diagram



Wiring diagram



CE

PV Surge protective devices

GSP9-C40PV



Summary

The surge protection device belongs to the T2 photovoltaic DC system surge protector, which can be installed in the solar panel, the connection between the solar panel and the controller, between the controller and the inverter or other DC power supply end, used to release, inhibit and reduce the overcurrent and overvoltage caused by induced lightning strike or the power grid system, so as to reduce the harm to electrical equipment

Characteristic

Model No.: Type U，Type Y
Chinese Standard:GB/T 18802.31-2016
European standard :EN 50539-11:2012

Protective Elements:High Energy MOV
IEC：IEC 61643-31：2018
Certificates :TUV、CE、CQC

Technical Data（Type 2 (T2) PV Surge protective devices 20kA-40kA）

Technical Data					
Max Continuous Operating Voltage	U_{CPV}	600VDC	1000VDC	1500VDC	2000VDC
Nominal discharge current(T2)	In	20kA	20kA	20kA	20kA
Maximum discharge current	Imax	40 kA	40 kA	40 kA	40 kA
Protection level	Up	3.0 kV	3.5 kV	5.5 kV	6.5 kV
Admissible short-circuit current	Iscpv	500A			
Icpv PV		0.2 mA			
Connection mode		parallel			
Response Time	t_A	25ns			
SPD Special disconnector	Recommend	SSD40			
Remote communication		With			
Remote communication connection		14 11:NO，11 12:NC			
Remote contact rated current		220V/0.5A			

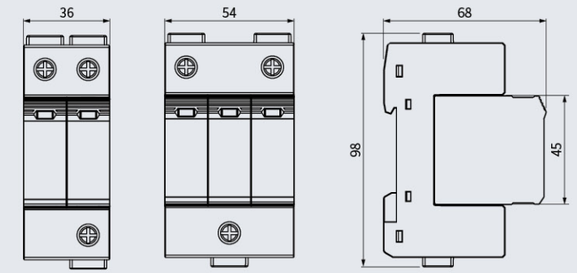
Associated disconnectors	
Thermal	disconnector internal

Mechnical characteristics	
Connection By screw terminals	6-25mm²
Terminal Screw Torque	2.5 Nm
Recommended Cable cross Section	⩾ 10mm²
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

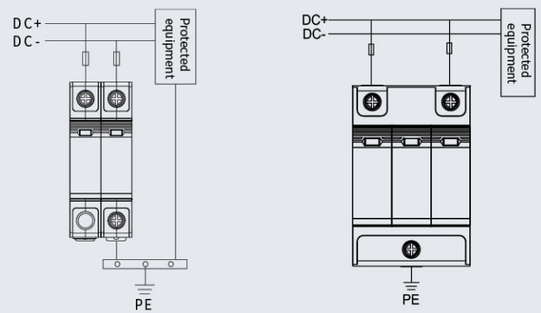
Model No.	Type U	Type Y
600V Size (mm)	36×83×67，36×90×67	54×83×67，54×90×67
1000V Size (mm)	36×83×67，36×90×67	54×83×67，54×90×67
1500V 2000V Size (mm)	/	54×90×67，81×90×67
Packing	Inner box	
Delivery packaging	Carton or Pallet	

Dimensional drawing



Schematic diagram

Wiring diagram



CE

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Surge protective devices

GSP10-C40D
GSP10-C40E



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:N-PE、L-N
Protective Elements:High Energy MOV、GDT
Chinese Standard:GB/T 18802.11-2020
IEC standard:IEC 61643-11：2011
European standard :EN 61643-11：2012
Certificates:CE

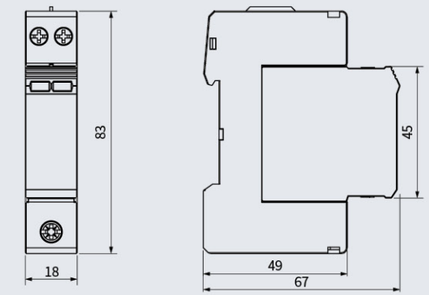
Technical Data（Type 2 (T2) Surge protective devices 20KA-40kA）

Technical Data		
Max Continuous Operating Voltage	Uc(L-N)	275VAC
Max Continuous Operating Voltage	Uc(N-PE)	255VAC
Rated Voltage	Un	220VAC
Nominal discharge current（T2）	In	20kA
Maximum discharge current	Imax	40kA
Protection level	Up(L-N)	1.5kV
Protection level	Up(N-PE)	1.3kV
Follow Current Interrupt Rating	I_{fi}	100A(N-PE)
Response Time	t_A	25ns
SPD Special disconnector	Recommend	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 mm²
Terminal Screw Torque		2.0 Nm
Recommended Cable cross Section		⩾ 10mm²
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

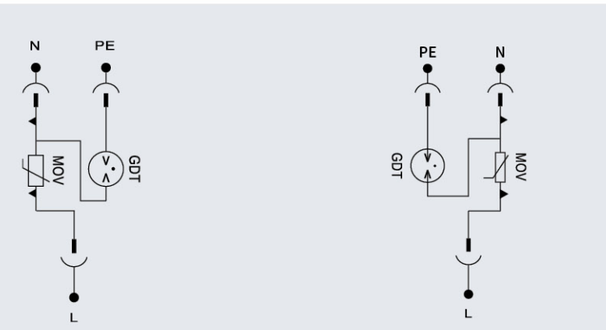
Size

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

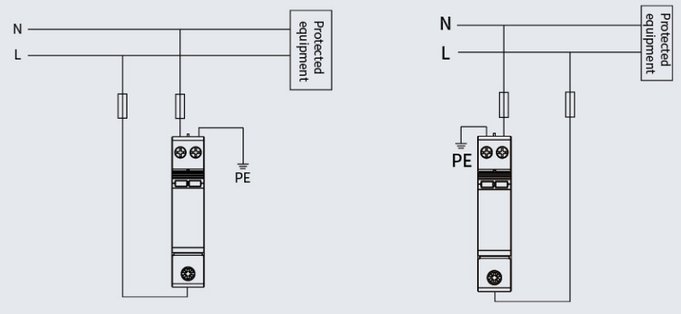
Dimensional drawing



Schematic diagram



Wiring diagram



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Surge protective devices

GSP10-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	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		

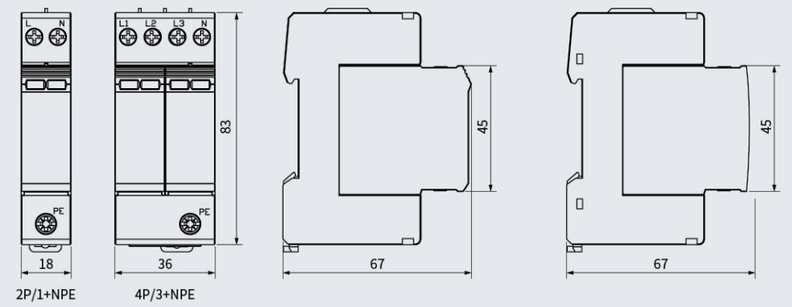
Associated disconnectors	
Thermal	disconnector internal

Mechnical characteristics	
Connection By screw terminals	4-16 mm²
Terminal Screw Torque	The upper 1.2Nm，The bottom 2.0 Nm
Recommended Cable cross Section	⩾ 10mm²
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

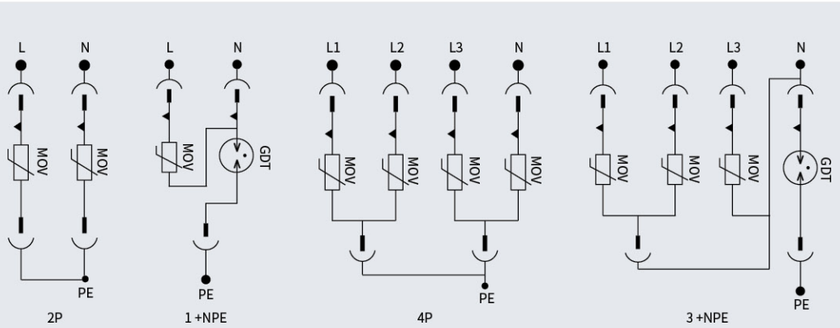
Size

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			

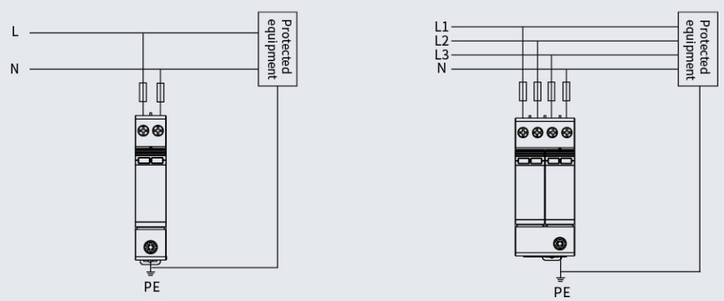
Dimensional drawing



Schematic diagram



Wiring diagram



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Surge protective devices

GSP9-C60
GSP9-C80
GSP9-C100
GSP9-C160



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（Type2 (T2) SPD）

Technical Data					
Model number		60	80	100	160
Max Continuous Operating Voltage	Uc(V~)	385/440	385/440	385/440	385/440
Nominal discharge current(8/20μs)	In(kA)	30	40	60	100
Maximum discharge current(8/20μs)	Imax(kA)	60	80	100	160
Protection level	Up(kV)	<2.2/2.5	<2.5/3.0	<2.5/3.0	<2.5/3.0
Response time	(ns)	<25	<25	<25	<25
General parameter					
Access wire area	(mm^2)	⩾ 10	⩾ 16	⩾ 16	⩾ 16
Access ground cross-sectional area	(mm^2)	⩾ 16	⩾ 16	⩾ 16	⩾ 16
SPD Special disconnector	Recommend	LT-SSD 60	LT-SSD 80	LT-SSD 100	LT-SSD 160
Working environment		-40~+70° C,relative humidity<95%(below 25°C)			
Remote communication connection		14 11:NO，11 12:NC			

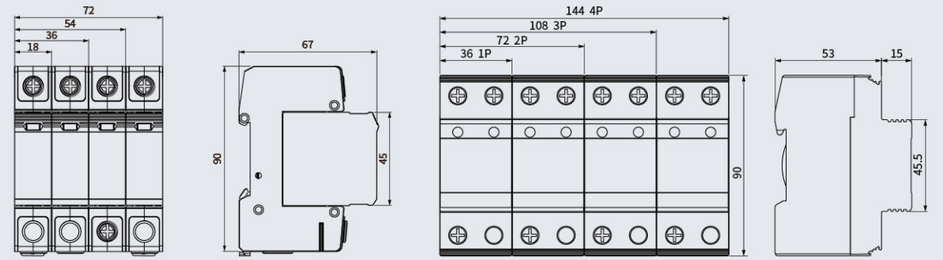
Associated disconnectors	
Thermal	disconnector internal

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

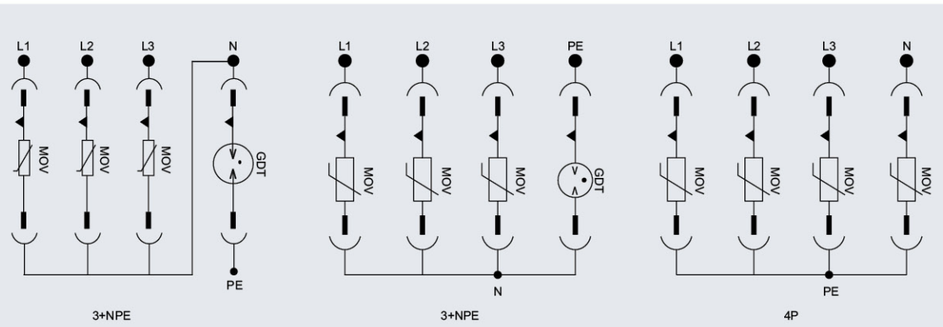
Size

Poles	1P	1+NPE	2P	3P	4P	3+NPE
LT-60 LT-80Size (mm)	18×90×67	36×90×67	36×90*67	54×90×67	72×90×67	72×90×67
LT-100 LT-160Size (mm)	36×90×68	72×90×68	72×90×68	108×90×68	144×90×68	144×90×68
Packing	Inner box					
Delivery packaging	Carton or Pallet					

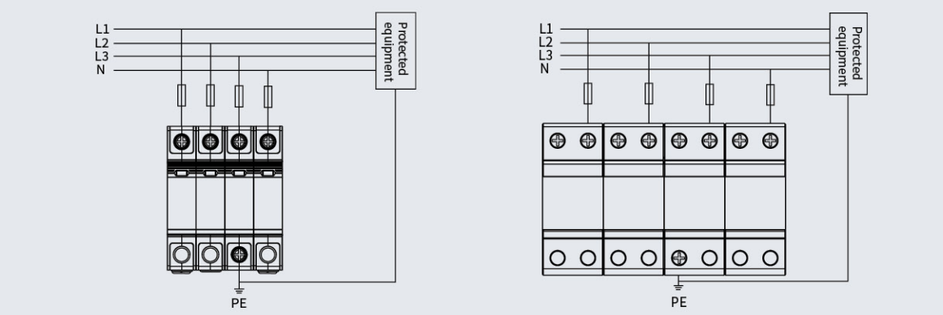
Dimensional drawing



Schematic diagram



Wiring diagram



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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	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			

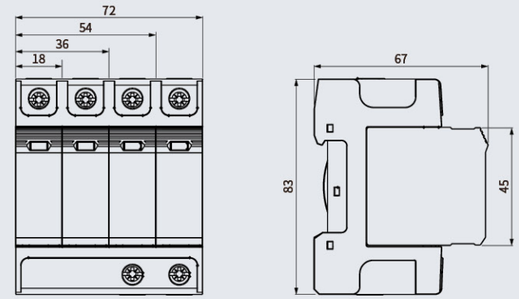
Associated disconnectors	
Thermal	disconnector internal

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

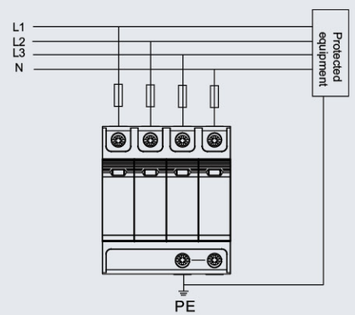
Poles	1P	1+NPE	2P	3P	4P	3+NPE
Size (mm)	18×90×67	36×90×67	36×90×67	54×90×67	72×90×67	72×90×67
Packing	Inner box					
Delivery packaging	Carton or Pallet					

Dimensional drawing



Schematic diagram

Wiring diagram



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Surge protective devices

GSP9-BC25
GSP10-BC25
(275V~440V)





Summary

The surge protection device belongs to T1+T2 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:Main 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（Type1+Type 2 (T1+T2) ）

Technical Data		L-N	N-PE
Max Continuous Operating Voltage	(AC) Uc	275/350/440	255V
Rated Voltage	(AC) Un	220V	220V
Maximum impact current(T1)	Iimp	25 kA	25 kA
Nominal discharge current(T2)	In	25 kA	25 kA
Maximum discharge current	Imax	50 kV	50 kV
Protection level	Up	1.2/1.6/2.0kV	1.5kV
Follow Current Interrupt Rating	I_{fi}	300A	100A
Response Time	t_A	25ns	100ns
SPD Special disconnector	Recommend	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	

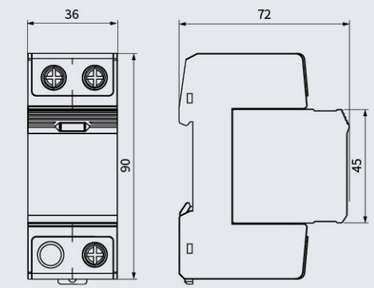
Associated disconnectors	
Thermal	disconnector internal

Mechnical characteristics	
Connection By screw terminals	6-35 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

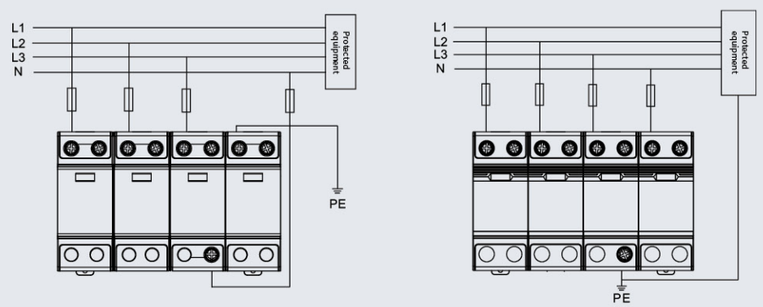
Poles	1P	1+NPE	2P	3P	4P	3+NPE
Size (mm)	36×90×92	72×90×92	72×90×92	108×90×92	144×90×92	144×90×92
Packing	Inner box					
Delivery packaging	Carton or Pallet					

Dimensional drawing



Schematic diagram

Wiring diagram



CE

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Surge protective devices

GSP9-BC25
GSP10-BC25
(690V~790V)





Summary

The surge protection device belongs to T1+T2 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:Main 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 , Gas Discharge tube
Chinese Standard:GB/T18802.11-2020
IEC： IEC 61643-11：2011
European standard :EN 61643-11：2012
Certificates:CE

Technical Data（Type1+Type 2 (T1+T2)）

Technical Data			
Max Continuous Operating Voltage	(AC) Uc	690V	760V
Rated Voltage	(AC) Un	220V	220V
Maximum impact current(T1)	Iimp	25kA	25kA
Nominal discharge current(T2)	In	25/50kA	25/50kA
Maximum discharge current	Imax	50/120kA	50/120kA
Protection level	Up	2.0kV	2.0kV
Response Time	t_A	100ns	
SPD Special disconnector	Recommend	SSD50X	
Residual current-Leakage current at	Ipe	NONE	
Admissible short-circuit current	Isccr	50000A	
Remote communication		With	
Remote communication connection		14 11:NO，11 12:NC	
Remote contact rated current		220V/0.5A	

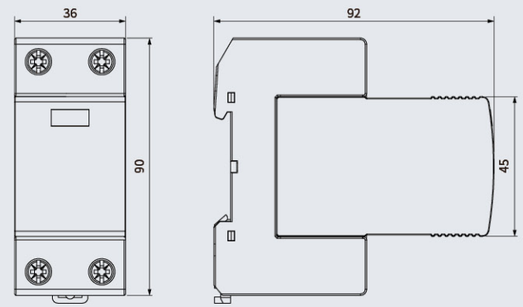
Associated disconnectors	
Thermal	disconnector internal

Mechnical characteristics	
Connection By screw terminals	6-35 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
Flame retardant grade	UL94 V0
Operating temperature	-40℃～ +70℃
Operating relative humidity	5%-95%
Working atmospheric pressure	70kPa ～ 106kPa

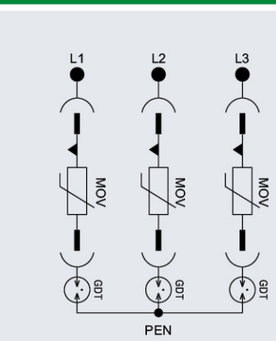
Size

Poles	1P	2P	3P	4P
Size (mm)	36×90×92	72×90×92	108×90×92	144×90×92
Packing	Inner box			
Delivery packaging	Carton or Pallet			

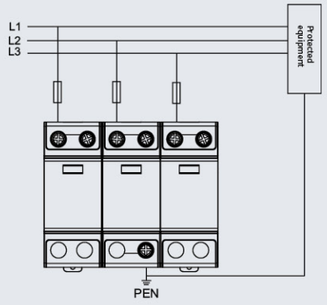
Dimensional drawing



Schematic diagram



Wiring diagram



CE

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Surge protective devices

GSP10-B25



Summary

The surge protection device belongs to T1 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:Main 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： IEC 61643-11：2011
European standard :EN 61643-11：2012
Certificates:CE

Technical Data（Type1）

Technical Data					
Max Continuous Operating Voltage	(AC) Uc	275V	320V	385V	440V
Rated Voltage	(AC) Un	220V	220V	220V	220V
Maximum impact current(T1)	Iimp	25kA	25kA	25kA	25kA
Protection level	Up (L-N)	1.4kV	1.6kV	1.8kV	2.0kV
Protection level	(N-PE)	1.6kV	1.6kV	1.6kV	1.6kV
Follow Current Interrupt Rating	I_{fi}	100A(N-PE)			
Response Time	t_A	25ns			
SPD Special disconnector	Recommend	SSD50X			
TOV	N-PE	1200V			
Residual current-Leakage current at	Ipe	NONE			
Admissible short-circuit current	Isccr	50000A			
Remote communication		With			
Remote communication connection		14 11:NO，11 12:NC			
Remote contact rated current		220V/0.5A			

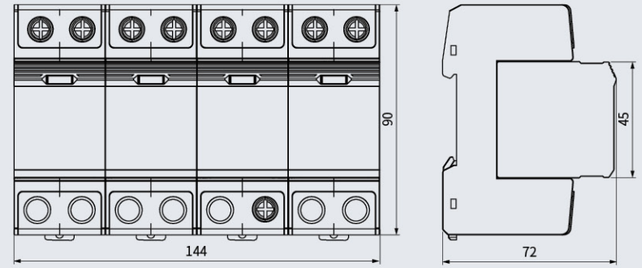
Associated disconnectors	
Thermal	disconnector internal

Mechnical characteristics	
Connection By screw terminals	6-35 mm^2
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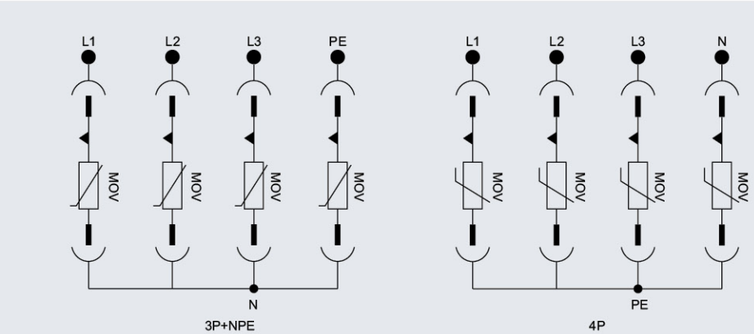
Size

Poles	1P	1+NPE	2P	3P	4P	3+NPE
Size (mm)	36×90×72	72×90×72	72×90×72	108×90×72	144×90×72	144×90×72
Packing	Inner box					
Delivery packaging	Carton or Pallet					

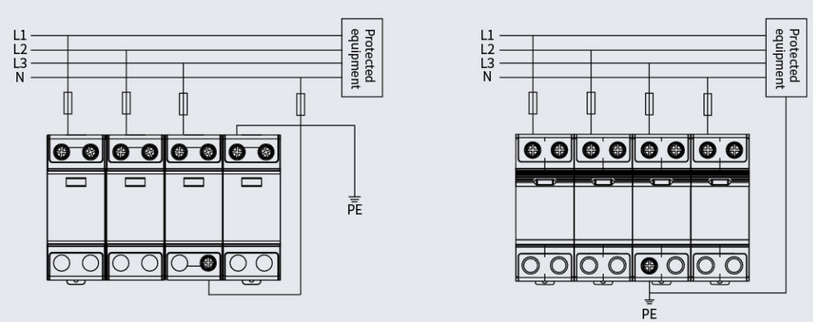
Dimensional drawing



Schematic diagram

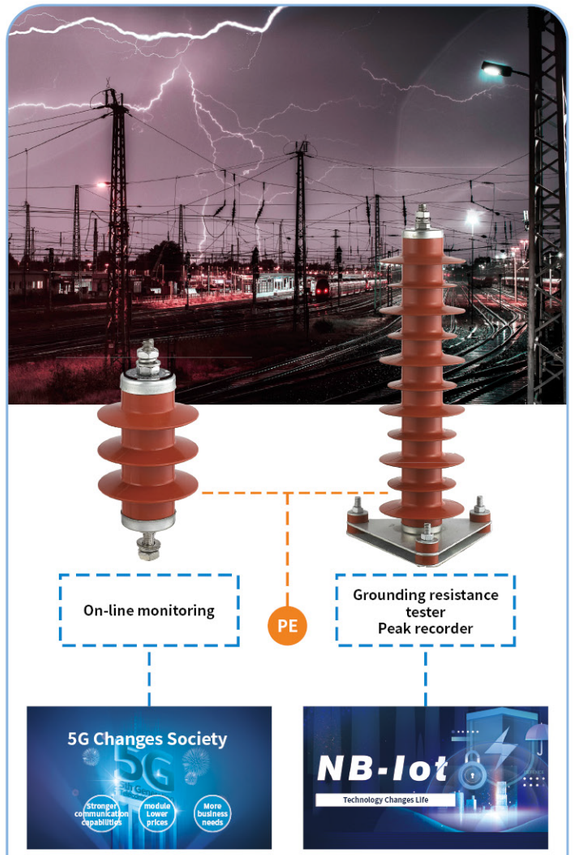


Wiring diagram



CE

Intelligent remote lightning protection
Schematic diagram of online monitoring system



Usually, accident analysis is mostly based on expert experience

Leitai Lightning Protection takes you into intelligent lightning protection, allowing for remote online monitoring anytime, anywhere.

Through intelligent terminals, it is possible to accurately collect: front-end SD (or MCB or fuse) status SPD status, lightning strike frequency, lightning strike time, lightning strike peak, grounding resistance value, grounding status, environmental parameters, etc. It can also be remotely controlled.

At the same time, the unique innovative linkage mechanism of Leitai Lightning Protection can introduce the working status of other electrical equipment into the lightning protection monitoring platform, such as smoke alarms, to achieve linkage control.

For example, after installing lightning salt testing terminals on transmission lines and substations, once the lines and substations are invaded by lightning strikes, the system returns the lightning strike data to the monitoring center as soon as possible. After the monitoring center receives the lightning strike information, operation and maintenance personnel can quickly inspect the lightning arresters, insulators, grounding down conductors, and related electrical equipment at the lightning strike location, analyze the causes and hidden dangers of lightning damage, Ensure that power facilities are safer and more effective in subsequent operations.





SSD Interpretation

Current situation 1: Using a circuit breaker, internal inductance Causing a significant increase in system residual voltage during lightning strikes

Current situation 2: Using circuit breakers or fuses The rated value is small, and the open circuit system will lose protection during lightning strikes

Current situation 3: Using circuit breakers or fuses High rated value, continuous opening of low power frequency current, causing fire



LT series SSD: surge protector dedicated external (front) disconnector

T1 class maximum non tripping impulse current lamp 50kA
T2 maximum non tripping discharge current Imax 160kA
No inductance design, making the residual voltage of the entire protection circuit very low, improving protection performance. When the power frequency tripping current is 3A, the tripping time is less than 0.5s
Remote alarm, which sends a signal immediately after tripping to prompt for closing operation or replacement (optional)

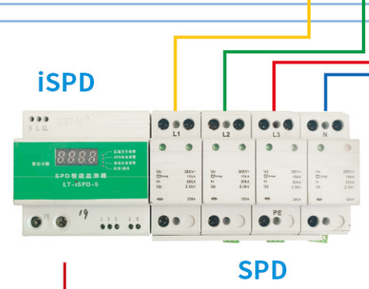




data transmission

data acquisition





On site protection

The failure or failure of on-site lightning protection devices, lightning strike frequency, front-end SSD status, grounding peak value, grounding resistance value, temperature, voltage, current and other working parameters, or other on-site electrical equipment voltage, current, pressure, water level, smoke alarms, etc., are collected and transmitted to the upper computer or to the cloud platform through a 4G/5G network

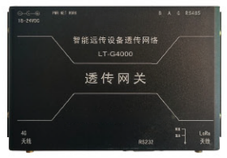
- fast acquisition
- More access
- Extreme speed alarm
- Intelligent push
- statistic analysis





data acquisition

data processing



LAN monitoring

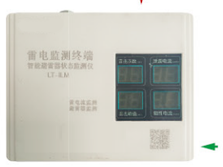


Cloud platform monitoring

4G/5 Gnetwork

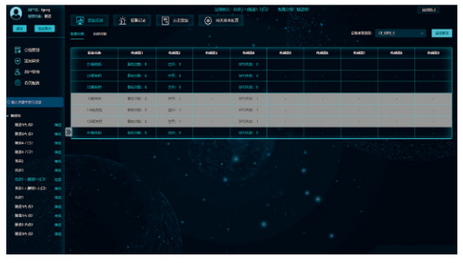
gateway

Method 2 (wired)

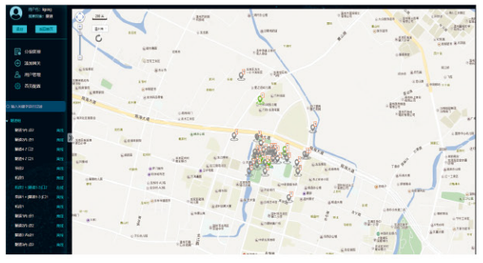


WiFi receive

data processing







client software