

GSP9-C40

PV surge protective device

Application

This DC surge protective device is applied low voltage standard IEC EN 61643-11 to protect against DC power line system and other equipment from over voltage and instantaneous over voltage damage. Widely used in photovoltaic comber box, power inverter, DC distribution cabinet etc. It has advantages of large discharge current, fast respond time, low residual voltage. Max. PV voltage up to UCPV ≤1000V dc.

Main Features

1.High discharge capacity, quick response, module pluggable;
2.Fast response time, din rail installation;
3.Double thermal disconnection devices, provide more reliable protection;
4.Green window means normal, red means defect, need to change module;
5.Remote alarm terminal optional.
6.T1+T2 surge protection.

Model	GPS9-C40 PV	
Test standard	IEC/EN 61643-11; GB18802.11	
IEC test classification	T1+T2/Class I+II	
Max.PV voltage [Uc pv]	600V DC	1000V DC
Nominal discharge current(8/20μs)	20kA	
Maximum discharge current(8/20μs)	40kA	
Limp current(10/350μs)	6.25kA	
Poles	2P	2P/3P
Voltage protection level Up pv	≤2.6	⩽3. 6
Response time Ta	25ns	
Connecting cable	4mm²(L-N);6mm²(PE)	
Method of installation	35mm Din Rail	
Matched fuse or circuit breaker	32A	
Type of remote signaling contact	Switching contact(Optional)	
	C+NC:Normally closed	
	C+NO:Normally open	
	C:Common contact	
Switching capacity	AC:250V/0.5A DC:250V/0.1A, 125V/0.2A,75V/0.5A	
Cross-sectional area for remote signal contact	Max.1.5mm² solid / flexible	
Operating temperature range	40℃...+80℃	



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Main Features

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Test standard	IEC/EN 61643-11; GB18802.11
IEC test classification	T1+T2/Class I+II
Max.PV voltage [Uc pv]	1500V DC
Nominal discharge current(8/20μs)	20kA
Maximum discharge current(8/20μs)	40kA
Limp current(10/350μs)	6.25kA
Poles	3P
Voltage protection level Up pv	≤5.6kV
Response time Ta	25ns
Connecting cable	4mm²(L-N);6mm²(PE)
Method of installation	35mm Din Rail
Matched fuse or circuit breaker	32A
Type of remote signaling contact	Switching contact(Optional)
	C+NC:Normally closed
	C+NO:Normally open
	C:Common contact
Switching capacity	AC:250V/0.5A DC:250V/0.1A, 125V/0.2A,75V/0.5A
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