

SPDDC22pbx DC Surge protective device

Application

This DC surge protective device is applied low voltage standard IEC/EN 61643-31 to protect against DC power line system and other equipment from over voltage and instantaneous over voltage damage. Widely used in photovoltaic combi 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 $\leq 600V$ dc.



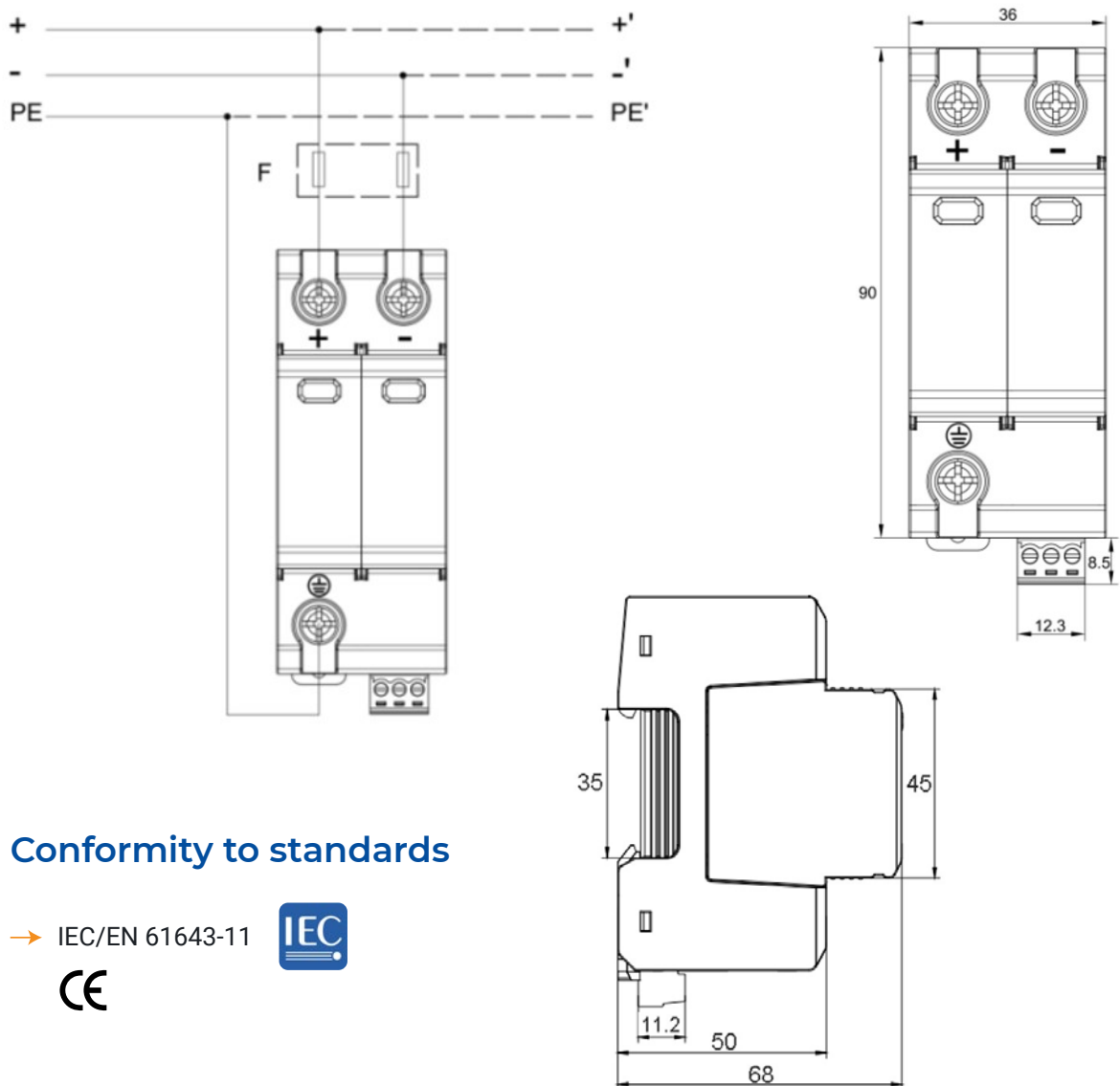
Main features

- 1 Pluggable module, can change module no need power off.
- 2 Fast response time, din rail installation.
- 3 Double thermal disconnection device, provide more reliable protection. Green window means normal, red means
- 4 defect(need to change module).
- 5 Type 2 surge protection.
- 6 Switching value terminal optional.

Technical parameter

Model	SPDDC22pbx
Test standard	IEC/EN 61643-31
SPD type	T2/Class II
Maximum continuous operating voltage U_c	600V DC
Nominal discharge current (8/20 μ s)	20kA
Maximum discharge current(8/20 μ s)	40kA
Voltage protection level U_p	$\leq 2.2kV$
Response time T_a	25ns
Poles	2P
Matched fuse or circuit breaker	32A
Connection wire specification	4mm ² (DC+/ DC-); 6mm ² (PE)
Switching value terminal(Optional)	C+NC: Normally closed C+NO: Norminal open C: Common contact
Mounting	35mm Din Rail
Operating temperature	-40°C to +80°C
Shell material	UL94-V0 fireproof material

Dimension details(unit: mm) and wiring diagram

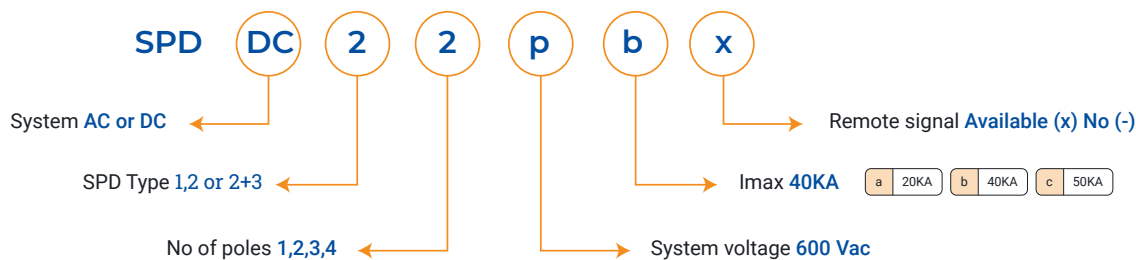


Conformity to standards

→ IEC/EN 61643-11



Type designation



a 20KA b 40KA c 50KA

##	Voltage (Vac)
m	220
n	440
o	300
p	600
q	1000
r	625
s	275

