

D75(100/250/500/800/1000)-20K-PV2P

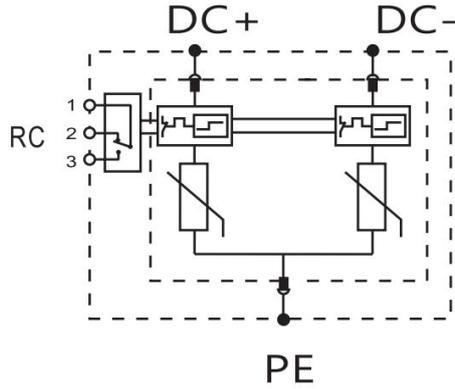
scope of application

Lightning protection for solar photovoltaic power systems or other DC power systems, protecting them from lightning strikes or overvoltage damage.

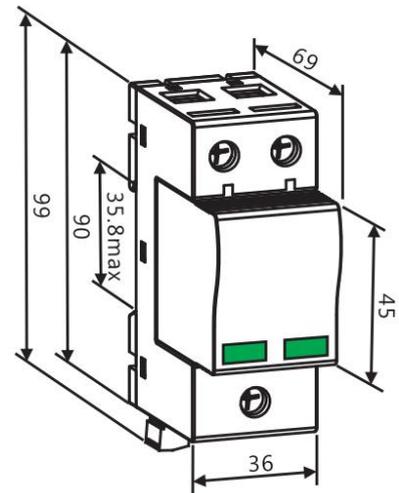
technical parameter

model	D75-20K-PV2P	D100-20K-PV2P	D250-20K-PV2P	D500-20K-PV2P	D800-20K-PV2P	D1000-20K-PV2P
According to the standard: GB/T18802.31/IEC61643-31	Grade 2/Category II					
Nominal DC voltage (Un)	75V	100V	250V	500V	800V	1000V
Maximum continuous operating voltage (Uc) for DC	100V	150V	300V	600V	800V	1000V
Nominal discharge current (8/20 μ s) [In]	20KA					
Maximum discharge current (8/20 μ s) [Imax]	40KA					
Voltage protection level (Up)	0.8KV	1.0KV	1.5KV	2.2KV	3.0KV	3.5KV
Voltage protection level @5 kA (Up)	-					
response time (t)	≤ 25 ns					
external backup fuse	80A gG					
leakage current	≤ 20 μ A					
Working temperature range (Tu)	-40°C ~ +80°C					
Working status/fault indication	Green/Red					
minimum installed conductor cross-sectional area	1.5mm ² single-strand wire/soft wire					
maximum installed conductor cross-sectional area	35mm ² multi-strand wire / 25mm ² flexible wire					
way to install	35mm DIN rail, compliant with EN 60715					
Shell material	Gray thermoplastic material, UL94 V-0					
installation site	indoor					
levels of protection	IP20					
size	2 Analog Digital, DIN 43880					
relative humidity	$\leq 95\%$ No condensation					
Remote communication contact type (optional)	floating switch electric shock					
AC load capacity	250V/0.5A					
DC load capacity	250V/0.1A; 125V/0.2A; 75V/0.5A					
cross-sectional area of telemetry terminal	Maximum 1.5mm ² single-strand wire/soft wire					

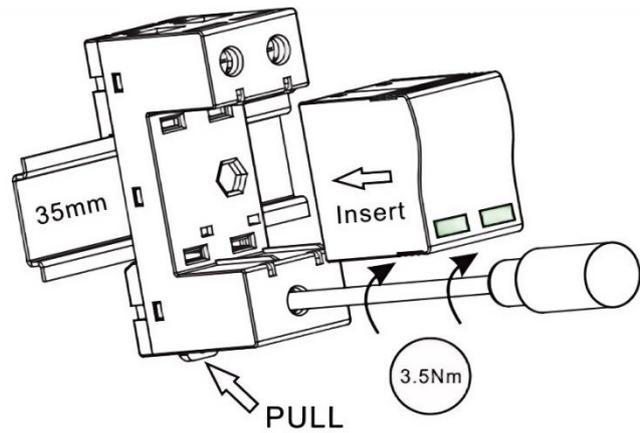
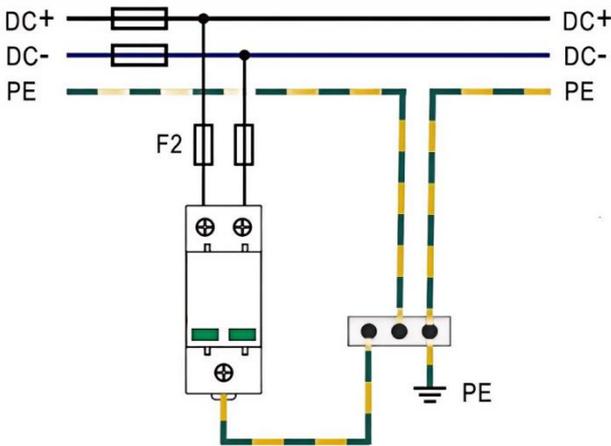
schematic diagram



outline dimensional drawing



hookup



Disclaimer

Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.

Users should verify actual device performance in their specific applications.