

SL7N-125D

DC CIRCUIT BREAKER



GENERAL PARAMETERS

- Overload protection to avoid more damage to whole system
- Unique mold design have garnered much admiration from many customers
- Aesthetically pleasing design, compact size, lightweight, quick release mechanism, and rail-mounted. The casing and components are made of high-impact resistant and flame-retardant plastic, ensuring excellent and reliable performance.
- High voltage big ampere and small size to save install
- space and save costSuitable for installation in harsh environments with high temperature and humidity resistance

PRODUCT ADVANTAGES

The SL7N-125D/DH plastic enclosure circuit breaker is a limited current type breaker with overload and short circuit protection, suitable for overload and short circuit protection in DC systems up to 1500V. It is widely used in DC screens, DC distribution cabinets, DC junction boxes, photovoltaic and wind power substations, and communication distribution box protection systems. It can also be used for infrequent on-off switching of circuits under normal conditions.

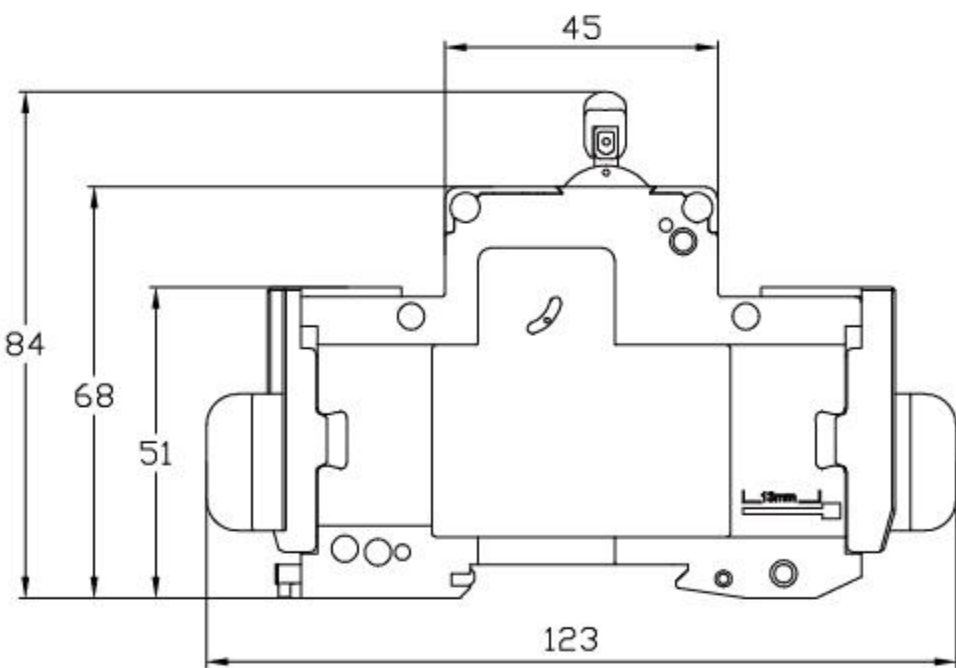
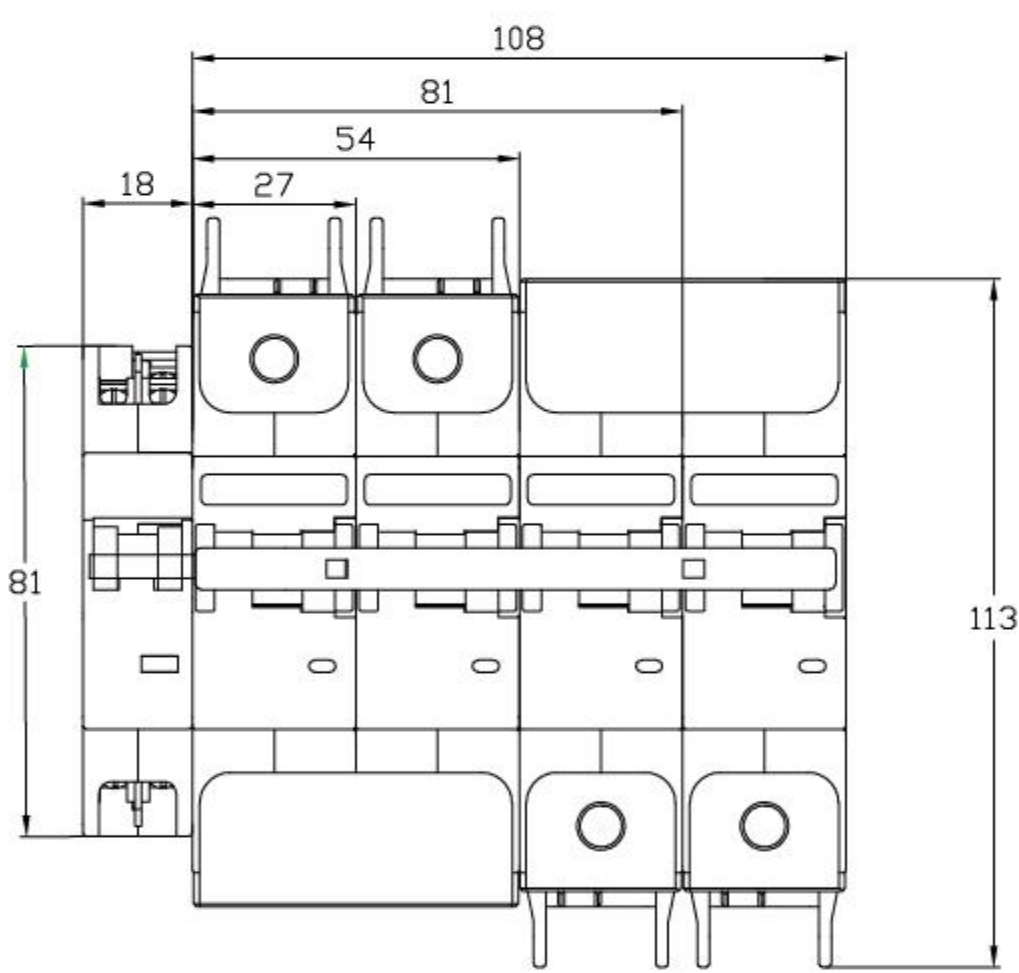
INSTALLATION PRECAUTIONS

- In a medium without explosion risk and free of gases and dust(including conductive dust) sufficient to corrode metal and destroy insulation
- In the condition with no snow erosion
- It can be installed horizontally and vertically
- The magnetic field of the installation position shall not exceed 5 times the geomagnetic field in any direction;
- It should not be installed in flammable and explosive places
- There should be no significant impact and vibration at the installation place

MODEL AND SIGNIFICANCE

S	L7N	1500	H
Enterprise code	Design Number	Rated Voltage	High Voltage
1/2/3/4	125A	PV	1500V
Pole	Rated Current	PV system	Rated Operational Voltage

DIMENSION (MM)



ELECTRICAL PARAMETERS

Product Model	SL7N-125D							
Pole	1P	2P	3P	4P	1P	2P	3P	4P
Rated Operational Voltage/U _e (V)	DC48~250V/ DC375V/DC440V /DC600V	DC750V/ DC800V/ DC1000V	DC1200V/ DC1500V	DC1500V	DC48-250V	DC375V/ DC440V/ DC600V	DC750V/ DC800V	DC750V/ DC800V
Rated Operational Current/I _n (A)	6A/10A/16A/20A/25A/32A/40A/50A/63A/80A				100A/125A			
Rated Impulse withstand Voltage/U _{imp} (V)	690V	1250V	1600V		690V	1250V	1600V	
Ultimate Breaking Capacity/I _{cu} (kA)	SL7N-125D 2KA				SL7N-125DH 6KA			
Rated Breaking Capacity/I _{cs} (kA)	SL7N-125D 2KA				SL7N-125DH 6KA			
Max. Impulse Current/U _{imp} (A)	6KV		8KV		6KV		8KV	
Mechanical Life	30000 TIMES							
Electrical Life	1000 TIMES							
Fire-retardant Enclosure Level	V-0							
Ingress Protection	IP40							
Device Width x Height (mm)	93*27*65.5	93*54*65.5	93*81*65.5	93*108*65.5	93*27*65.5	93*54*65.5	93*81*65.5	93*108*65.5
Method of Mounting	35mm din rail install							
Mounting	Easy installed and fastening onto 35mm device rail(DIN)							
Location	Indoor or in the Water-proof Box							
Ambient Temperture	-40℃-85℃							
Altitude	≤2000m							
Relative Humidity	+50℃ not more than 95%							
Weight(per pole)	0.18kg	0.36kg	0.54kg	0.72kg	0.18kg	0.36kg	0.54kg	0.72kg
Pollution Level	2							
Installation Class	II class or III class							