



Application

Siso series DC Isolator Switches are applied to 1-20kW Inverter, Controller, DC Combiner Box, used for Residential or Commercial PV solar power system (on-grid/off-grid). Arcing Time less than 3 ms, that make PV solar system effectively disconnected.

SISO-12 DC Isolator Switches

- DIN Rail Mounting
- Rated voltage 1200V DC
- OFF Lockable
- Flame-Retardant
- Arcing time < 3 ms
- IEC 60947-3
- 4 poles (Single/Double String Available)
- DC-21B: 16A,25A,32A up to 1200V DC

Parameter

Electrical Characteristics	
Type	SISO-12
Function	Isolator, control
Standard	IEC 60947-3, AS 60947.3
Utilization category	DC-PV2 / DC-21B
Pole	4 P
Rated frequency	DC
Rated operational voltage (Ue)	1200 V
Rated operational current (Ie)	32 A
Rated insulation voltage (Ui)	1200 V
Conventional free air thermal current (Ith)	32 A
Conventional enclosed thermal current (Ithe)	Same as Ie
Rated short-time withstand current (Icw)	1 kA, 1 s (4, 4S, 4B); 1,7 kA, 1s (2H)
Rated short-time making capacity (Icm)	1,7 kA, (4, 4S, 4B); 3 kA, (2H)
Rated conditional short-circuit current (Icn)	3 kA
Rated impulse withstand voltage (Uimp)	8 kV
Overvoltage category	II
Suitability for isolation	Yes
Polarity	No polarity, "+" and "-" polarities could be interchanged
Service Life / Cycle Operation	
Mechanical	15000
Electrical	1000
Installation Environment	
Ingress protection	IP20
Storage temperature	-40°C ~ +85°C
Mounting type	Vertically or horizontally
Pollution degree	3
Suitable environment	Indoor



Accessories

Dimensioni (mm)

DIN Rail Mounting

