



• Features •

- IEC/EN 60947-3andAS 60947.3
- Utilization category: DC-PV1,DC-PV2
- Non polarity
- IngressProtection:DS1-32(IP20), DS1-32EL(IP66)
- OFF Lockable
- UV resistant and Flammability UL94 V-0
- Arcing time <2ms

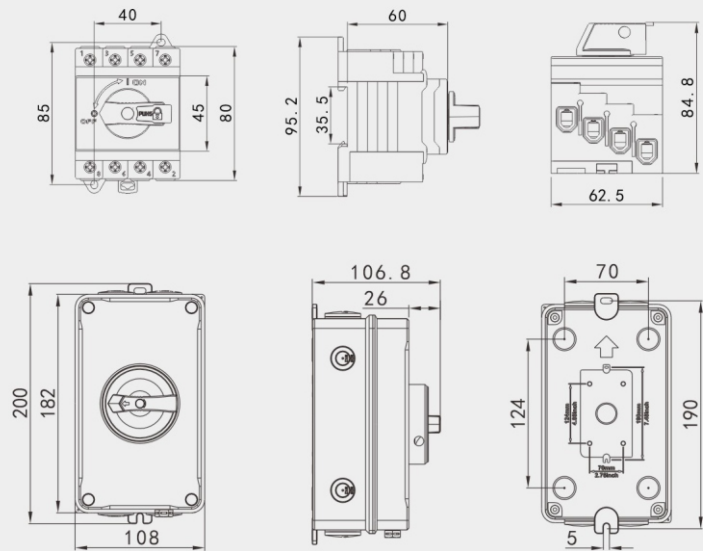
• Parameter •

Data	
Electrical characteristic	
Model number	GDSC100R-DB32R/GDSC100R-EL32R
Feature	Isolation and control
Standard	IEC60947-3,AS60947.3
Utilization category	DC-PV1/DC-PV2
Pole	4P
Rated frequency	DC
Rated operating voltage (Ue)	300V/600V/800V/1000V/1200V
Rated insulation voltage (Ui)	1200V
Rated short-time withstand current (Icw)	1kA/1s(4,4S,4B),1.7kA/1s(2H)
Rated conditional short-circuit current (Icn)	3kA
Rated impulse withstand voltage (Uimp)	8.0kV
Overvoltage category	II
Polarity	No polarity, “+”and“-”polarities could be interchanged
Service Life/Cycle Operations	
Mechanical	15000
Electrical	300
Installation environment	
Ingress protection	Ip20
Storage temperature	-40°C~+85°C
Mounting type	Vertically or horizontally
Pollution degree	3

• Application range •

GDSC100R series PV Switch-disconnector is suitable for rated voltage DC1200V and below, rated current 32A and below power system. The product can be used for infrequent connection and disconnection, which can isolate the disconnection line and disconnect 1~4 MPPT lines at the same time. It is suitable for isolating lines in DC transmission and distribution systems, such as cutting the direct current circuit between solar panels and inverters.

• Dimensions •



• Wiring interchange -corresponding figure •

Type	4-Pole	2-Pole 4 Paralleled Poles	4-Pole With Input And Output Bottom	4-Pole With Input On Top Output Bottom
	4	2H	4B	4S
Contacts wiring graph				
Switching examples				