

SDSC100R/ 120R Series

DC Isolated Switch



Features

- Non-polarity DC Isolator Switch.
- Panel Mounting, Distribution Board, Door Clutch Mounting or Plastic Enclosure optional.
- Compact structure and modular design, levels with different Poles from 2 to 8 are available.
- Parallel connections design, more big bore diameter makes connection fastness and flexibility.
- Fast switching structure, arcing time normally occurs less than 3ms.
- Self-cleaning contact mechanism, extending the lifespan of switch.
- Dynamic sealing design and world class sealing materials guarantee an IP66 protection rate.
- UL94V-0 standard flame resistant materials , the product can be full loading operation at temperatures -40 ℃ ~+70 ℃ .
- DC 1500V insulation voltage design, with TUV, CE(IEC/EN60947-3:2009+A1+A2), SAA(AS60947.3), DC-PV1 and DC-PV2. certifications.



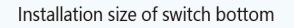
Select Code

SDSC	100R/120R	b	c	x	z
Slocable DC Isolated Switch	Rated Voltage	Installation Method	Rated Current	Lock	Pole & Wiring
	1000V 1200V	PM DB DC EL	32	R: w/lock None:w/o lock	2/4 4B/4T/4S

Technical Data

Data according to IEC/EN60947-3:2009+A1+A2, AS60947.3 , Utilization category DC-PV1 , DC-PV2

Main Parameters			SDSC100R/120R-32(R)
Rated insulation voltage	Ui	V	1500
Rated thermal current	Ith	A	32
Rated impulse withstand voltage	Uimp	V	8000
Rated short-circuit making capacity	Icw	A	1000
Maximum cable cross sections (incl. jumper)			
Solid or standard		mm2	4-16
Flexible		mm2	4-10
Flexible (+ multicore cable end)		mm2	4-10
Torque			
Tightening torque terminal screws M4.		Nm	1.2-1.8
Tightening torque shell mounting screws ST4.2(304 stainless steel)		Nm	1.5-2.0
Tightening torque knob screws M3		Nm	0.5-0.7
Switching on or off Torque		Nm	0.9-1.3
The wiring Torque on Base		Nm	1.1-1.4
General parameters			
Knob positions			OFF at 9 hr, ON at 12 hr(Optional OFF at 12 hr, ON at 3 hr)
Mechanical life			10000
Number of DC poles			2 or 4 (6, 8 optional)
Operation temperature			-40 to +85
Storage temperature			-40 to +85
Pollution degree		°C	2
Overvoltage category		°C	III
IP rating of shafte and mounting nul			IP66



Screw installation size

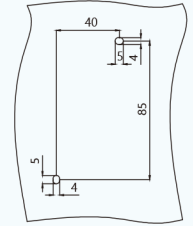
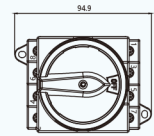
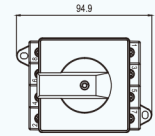
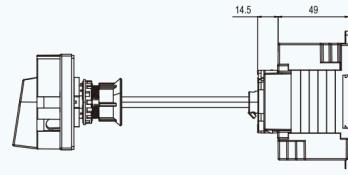
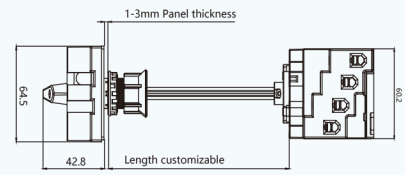
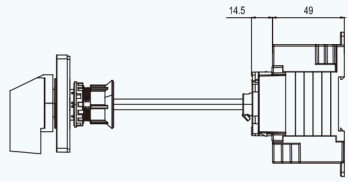
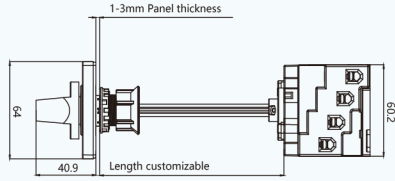
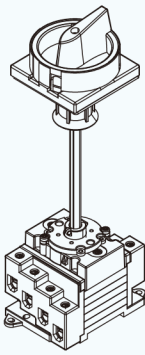
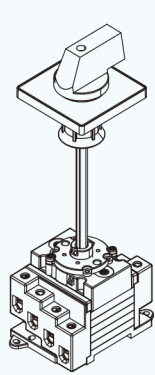
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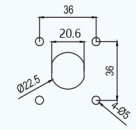
(DC32)



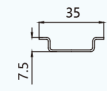
(DC32R)



Screw installation size



Head panel installation size



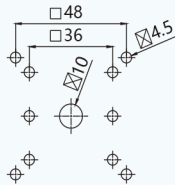
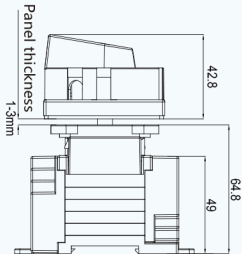
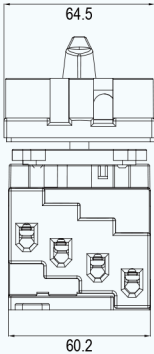
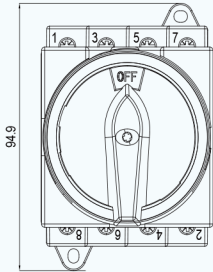
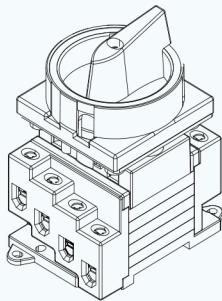
Installation size of switch bottom guide

DISTRIBUTION BOARD DC ISOLATOR

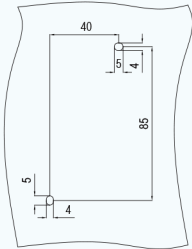
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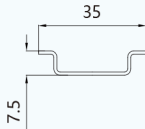
(PM32R)



Head panel installation size
The three installation methods in the figure:
A: 4 hole, center distance 48(no gasket)
B: 4 hole, center distance 36(Assay gasket)

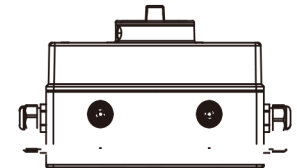
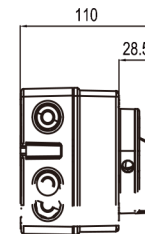
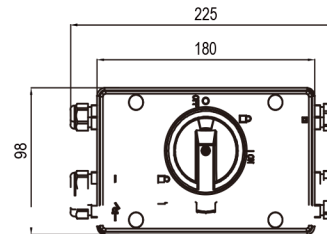
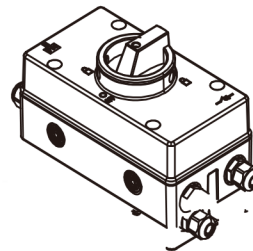
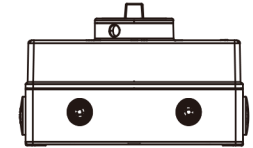
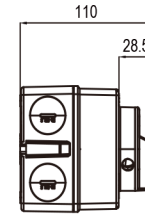
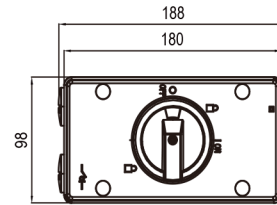
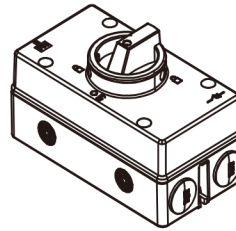


Screw installation size

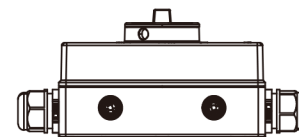
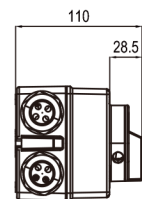
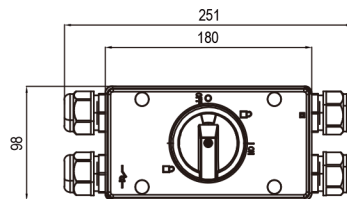
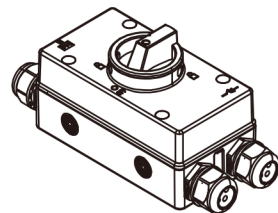


Installation size of switch bottom

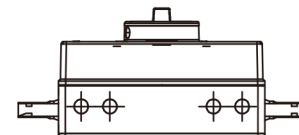
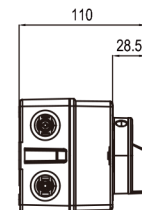
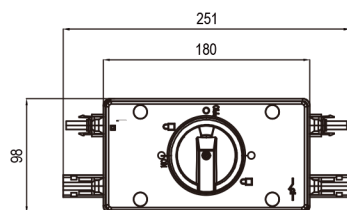
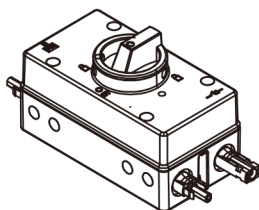
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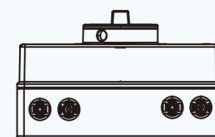
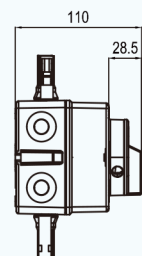
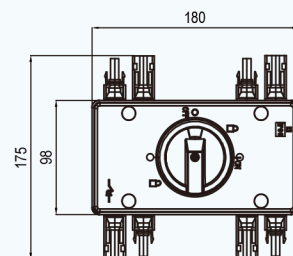
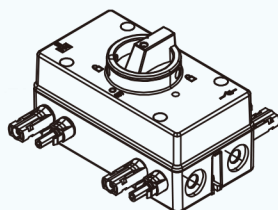
SDSC100R/120R-EL32R M25



SDSC100R/120R-EL32R 2MC4



SDSC100R/120R-EL32R 4MC4



Technical Data

Data according to IEC/EN60947-3:2009+A1+A2, AS60947.3, Utilization category DC-PV1, DC-PV2										Pole	String	Part No.
300V		600V		800V		1000V		1200V				
PV1	PV2	PV1	PV2	PV1	PV2	PV1	PV2	PV1	PV2			
32	32	32	32	32	16	16	9	/	/	2	1	SDSC100R-a32x-2
32	32	32	32	32	16	16	9	13	9	2	1	SDSC120R-a32x-2
32	32	32	32	32	16	16	9	/	/	4	2	SDSC100R-a32x-4
32	32	32	32	32	16	16	9	13	9	4	2	SDSC120R-a32x-4
32	32	32	32	32	32	32	32	/	/	4	1	SDSC120R-a32x-4S
32	32	32	32	32	32	32	32	32	32	4	1	SDSC100R-a32x-4S
32	32	32	32	32	32	32	32	/	/	4	1	SDSC120R-a32x-4B
32	32	32	32	32	32	32	32	32	32	4	1	SDSC100R-a32x-4B
32	32	32	32	32	32	32	32	/	/	4	1	SDSC120R-a32x-4T
32	32	32	32	32	32	32	32	32	32	4	1	SDSC100R-a32x-4T

Switching Configuration

Type	2-Pole	4-Pole	4-pole with Input and Output on top	4-pole with Input and Output bottom	4-pole with Input on top Output bottom
SDSC100R/120R	2	4	4T	4B	4S
Contacts Wiring graph					
Switching example					