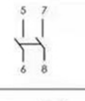
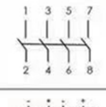
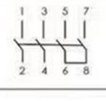
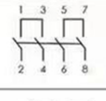
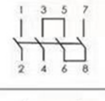
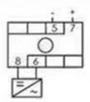
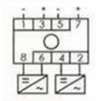
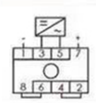
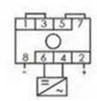
▶ Technical Data

Data according to IEC/EN60947-32009+A1+A2. AS60947.3, Utilization category DC-PV1, DC-PV2

300V		600V		800V		1000V		Pole	No. of Strings	Part Number
PV1	PV2	PV1	PV2	PV1	PV2	PV1	PV2			
32	32	32	32	32	16	16	9	2	1	YRDS1EL(DB)/N32-2
32	32	32	32	32	16	16	9	4	2	YRDS1EL(DB)/N32-4
32	32	32	32	32	32	32	32	4	1	YRDS1EL(DB)/N32-4S
32	32	32	32	32	32	32	32	4	1	YRDS1EL(DB)/N32-4B
32	32	32	32	32	32	32	32	4	1	YRDS1EL(DB)/N32-4T

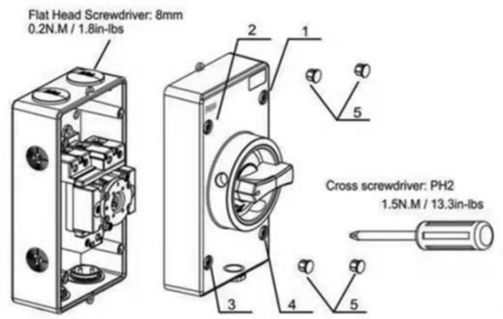
▶ Switching Configurations

Type	2-pale	4-pale	4-pale with Input and Output on top	4-pale with Input and Output bottom	4-pale with Input on top Output bottom
-	2	4	4T	4B	4S
Contancts Wiring graph /连续接线图					
Switching example /切换示例					

▶ Data according to AS60947-3:2018

Main Contacts			YRDS1EL(DB)/N32	Appendix B5
Rated thermal current	Ithe	A	32	\
Rated insulation voltage	Ui	V	1000	\
Distance of contacts (per pole)		mm	8	5x
Rated operational current Ie (DC-PV2)/				operations
1 pole 1 1	300V	A	25	100
	400V	A	10	40
	500V	A	8	32
	600V	A	8	32
	800V	A	3	12
	1000V	A	2	8
4-pole 2 pole in series 4 1 2	500V	A	32	128
	600V	A	13	52
	700V	A	9	36
	800V	A	9	36
	900V	A	9	36
	1000V	A	9	36
2-pole 4 pole in series 2H 1 2 / 3 4	500V	A	40	160
	600V	A	/	/
	700V	A	/	/
	800V	A	/	/
	900V	A	/	/
	1000V	A	/	/
2-pole 4 pole in series 4B 1 2 3 4	500V	A	32	128
	600V	A	32	128
	700V	A	32	128
	800V	A	32	128
	900V	A	32	128
	1000V	A	32	128

PV DC Isolator Switch



- Be sure number(1,3,5,7) on switch and "IP66NW" on cover are not inverted.
- Rotate Handel to the "OFF" position and locate shaft into switch body.
- Tighten screw 1,3,2,4 IN THAT ORDER.
- Make sure that number(5) is assembled on cover.

Cable cross sections

Rigid(Stranded or solid) 4-16mm², AWG 11-5

Flexible 4-10mm², AWG 11-7

Screwdriver, Tightening torque

M4 1.2 - 1.8Nm

Mounting Type Switch body(IP20) Vertically

Instructions for Installation and Operation

The switch with a box is suitable for outdoor use, Ithe solar at 40℃=32A, Ithe solar at 60℃=29A

Please note that all connections (including bridging link connections) should be tightening before energization.

▶ Wiring

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