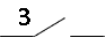
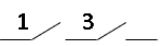
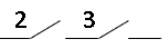
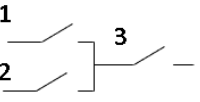




## Technical Data DC Disconnect Switch

### SMA SUNNY BOY 3.0 / 3.6 / 4.0 / 5.0 / 6.0

Data in accordance with AS 60947.3:2018

Identification	Rating data for utilization category DC-PV2		
Inverter model with integrated DC disconnect switch	SB3.0-1AV-41 / SB3.6-1AV-41 / SB4.0-1AV-41 / SB5.0-1AV-41 / SB6.0-1AV-41		
Inverter manufacturer	SMA		
Inverter type	non-separated / transformerless		
Inverter IP rating	IP65		
Polution degree outside the inverter	3		
Rated impulse withstand voltage (Uimp) [V]	8000		
Rated insulation voltage (Ui) [V]	600		
Rated operational duty (Ue) [V]	600		
Thermal current value (Ithe), outdoor, at 40°C shade ambient temperature [A]	MPPT A, B: 20 / 20		
Solar current value (Ithe), outdoor, at 40°C shade ambient temperature with solar effects [A]	MPPT A, B: 20 / 20		
Solar current value (Ithe), outdoor, at 60°C shade ambient temperature with solar effects [A]	MPPT A, B: 20 / 20		
	Rated operational voltage (Ue) [V]	Rated operational current (Ie) [A]	I <sub>(make)</sub> and I <sub>(break)</sub> <sup>3</sup> [A]
1-pole 	600	10	40
2-pole <sup>1</sup> MPPT A 	600	15	20
2 pole <sup>1</sup> MPPT B 	600	15	20
3 pole <sup>2</sup> MPPT A & MPPT B 	600	30	40

Note<sup>1</sup> - Pole configuration is pre-wired inside the inverter and is non-adjustable. Single 3-pole switch.

Note<sup>2</sup> - Pole configuration is pre-wired inside the inverter and is non-adjustable. 3-pole switch.

Negative switch pole (3) common for MPPT

Note<sup>3</sup> - Tested to meet the maximum specifications of the inverter in acc. with AS/NZS5033 Amd 1 & 2, 4.3.5.2