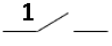
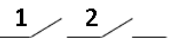
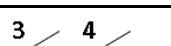
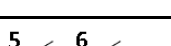
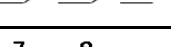
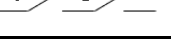
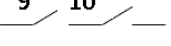




Technical Data DC Disconnect Switch

SMA SUNNY TRIPOWER CORE1 (STP50-40, STP50-41)

Data in accordance with AS 60947.3:2018

Identification	Rating data for utilization category DC-PV2		
Inverter model with integrated DC disconnect switch	STP50-40, STP50-41		
Inverter manufacturer	SMA		
Inverter type	non-seperated / transformerless		
Inverter IP rating	IP65		
Polution degree outside the inverter	3		
Rated impulse withstand voltage (Uimp) [V]	8000		
Rated insulation voltage (Ui) [V]	1000		
Rated operational duty (Ue) [V]	1000		
Thermal current value (Ithe), outdoor, at 40°C shade ambient temperature [A]	6 x 30 A		
Solar current value (Ithe), outdoor, at 40°C shade ambient temperature with solar effects [A]	6 x 30 A		
Solar current value (Ithe), outdoor, at 60°C shade ambient temperature with solar effects [A]	6 x 30 A		
	Rated operational voltage (Ue) [V DC]	Rated operational current (Ie) [A]	I _(make) and I _{C(break)} ² [A]
1-pole 	1000	7,5	30
2-pole ¹ MPPT A 	1000	20	30
2 pole ¹ MPPT B 	1000	20	30
2 pole ¹ MPPT C 	1000	20	30
2 pole ¹ MPPT D 	1000	20	30
2 pole ¹ MPPT E 	1000	20	30
2 pole ¹ MPPT F 	1000	20	30

Note¹ - Pole configuration is pre-wired inside the inverter and is non-adjustable. Single 12-pole switch.

Note² - Tested to meet the maximum specifications of the inverter in acc. with AS/NZS5033 Amd 1 & 2, 4.3.5.2