

# BYSS.2

Series DC Isolator Switches

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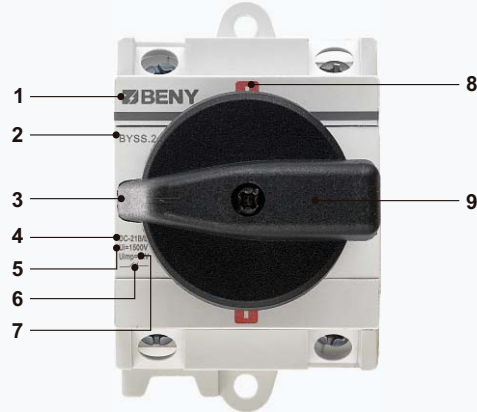
IEC/EN 60947-3:2015

- 1 Brand
- 2 Type
- 3 OFF
- 4 Application
- 5 Insulation voltage
- 6 Rated impulse withstand voltage
- 7 Rated Current
- 8 ON
- 9 Knob

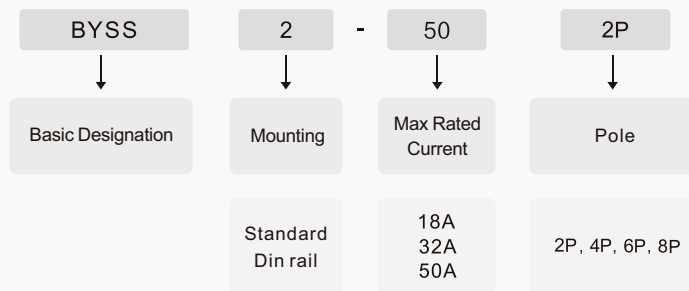
**Application**

**ZBENY** BYSS Series DC disconnect switch is used in 1-200KW solar inverter, 2P for 1 load up to 1000V 50A or 1500V16A. low temperature rising, long work life and short arcing time. For Multiple independent MPPTs.

**Appearance Introduction**



**Type Instruction**



**Parameter**

Electrical Characteristics		
Rated Working Voltage	Ue	Details in diagram
Rated Current	Ie	Details in diagram
Conventional free air thermal current	Ith	50A
Rated impulse withstand voltage	Uimp	8kV
Rated short-time withstand current(1s)	Icw	1.5kA
Rated short-circuit making capacity	Icm	2.0kA
Rated conditional short-circuit current(kA)		8kA
Installation Environment		
Utilization category DC		DC-21B, DC-PV2
Number of cycles of operation(with current)		300
Number of cycles of operation(without current)		10000
Pole		2/3/4/6/8/9
Mounting		Standard Din rail
Tightening torque terminal screws M4, min.-max.	3.0Nm	3.5Nm
Tightening torque panel mounting nut, min.-max.	0.5Nm	0.7Nm
Ambient temperature allowed between		-40°C~+85°C
Storage temperature allowed between		-40°C~+85°C
Relative Humidity		90%
Pollution degree		2
IP rating terminals		IP66

## Wiring Diagram

	Type	Contact Configuration	Voltage				Poles in series	Number of Strings	
			800V	1000V	1200V	1500V			
	BYSS.2-18-2P		25A	16A	18A	15A	2	1	
	BYSS.2-32-2P		40A	32A		25A	2	1	
	BYSS.2-50-2P		50A	40A	50A	40A	16A	2	1
	BYSS.2-18-4P		25A	16A	18A	15A	2	2	
	BYSS.2-32-4P		40A	32A		25A	2	2	
	BYSS.2-50-4P		50A	40A	50A	40A	16A	2	2
	BYSS.2-18-6P		25A	16A	18A	15A	2	3	
	BYSS.2-32-6P		40A	32A		25A	2	3	
	BYSS.2-50-6P		50A	40A	50A	40A	16A	2	3
	BYSS.2-50-6T					50A	40A	3	2
	BYSS.2-18-8P		25A	16A	18A	15A	2	4	
	BYSS.2-32-8P		40A	32A		25A	2	4	
	BYSS.2-50-8P		50A	40A	50A	40A	16A	2	4

## Switching Configurations

Type	2P	3P	3T	4P	6P	6T	8P	9T
Contacts Wiring diagram								
Switching example								

## Dimensions(mm)

