



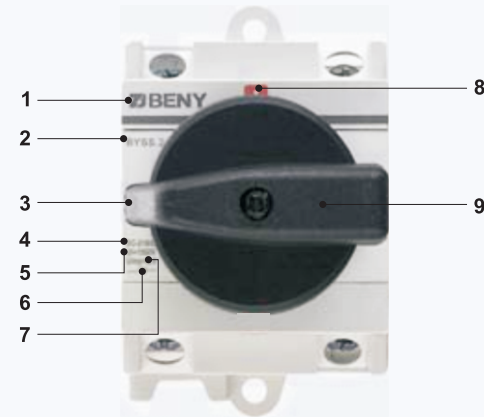
IEC/EN 60947-3:2015

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

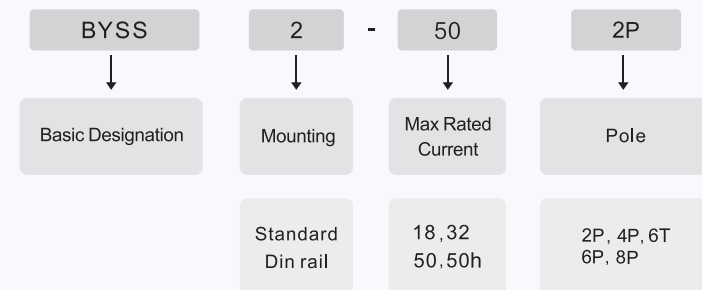
Application

ZBENY BYSS Series DC disconnect switch is used in 1-200KW solar inverter, 2P for 1 load up to 1200V 50A or 1600V16A, 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 60A(50h)
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-PV2
Number of cycles of operation(with current)		300
Number of cycles of operation(without current)		10000
Operation rate		120/h
Pole		2/4/6/8
Mounting		Standard Din rail
Tightening torque terminal screws M4, min.-max.		1.2N·m~1.8N·m
Tightening torque panel mounting nut, min.-max.		2.0N·m~2.5N·m
Tightening torque M3 screw in the knob,min.-max.		0.5N·m~0.7N·m
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		IP20
IP rating panel		IP66
Wiring rating	14 AWG-8 AWG, Stranded	2.5mm ² ~10.0mm ²

Wiring Diagram

Type	Contact Configuration	Voltage								Poles in series	Number of Strings
		800V	1000V	1100V	1200V	1350V	1400V	1500V	1600V		
BYSS.2-18 2P BYSS.2-32 2P BYSS.2-50 2P BYSS.2-50h 2P		25A	18A		15A					2	1
		40A	32A		25A					2	1
		50A	50A		40A			16A		2	1
				60A	50A	40A	35A	30A	16A	2	1
BYSS.2-18 4P BYSS.2-32 4P BYSS.2-50 4P BYSS.2-50h 4P		25A	18A		15A				2	2	
		40A	32A		25A				2	2	
		50A	50A		40A			16A		2	2
				60A	50A	40A	35A	30A	16A	2	2
BYSS.2-18 6P BYSS.2-32 6P BYSS.2-50 6P BYSS.2-50h 6P		25A	18A		15A				2	3	
		40A	32A		25A				2	3	
		50A	50A		40A			16A		2	3
				60A	50A	40A	35A	30A	16A	2	3
BYSS.2-50 6T					50A			40A	3	2	
BYSS.2-18 8P BYSS.2-32 8P BYSS.2-50 8P BYSS.2-50h 8P		25A	18A		15A				2	4	
		40A	32A		25A				2	4	
		50A	50A		40A			16A		2	4
				60A	50A	40A	35A	30A	16A	2	4

Switching Configurations

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

Dimensions(mm)

