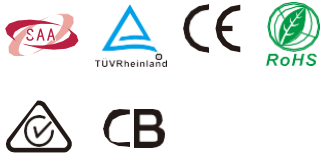


# BYH Series Non-polarity DC Isolator Switches

## 4P 1000V 32A



- 1 Waterproof Plug
- 2 IP66 Ingress Protection
- 3 Sealed Plug
- 4 OFF
- 5 LOCK
- 6 Standard
- 7 Brand
- 8 Type
- 9 ON
- 10 Knob



Accessories

### Application

**BENY** BYH-32 true DC isolator switch in IP66 enclosure is developed for solar residential and commercial PV rooftop systems, should be installed between solar panels and inverter for DC power isolation. The first DC isolator complies with DC-PV2 AS60947.3 2018 standard. The patent arc-extinguish chamber and qualify material ensure the DC isolator's reliable and long working life. Breather valve is attached on the enclosure bottom. Max voltage up to 1000V.

### Feature

- IP66, UV Resistance
- Arcing Time < 3ms
- Earth Terminal
- IEC60947-3, AS60947.3
- 2 Poles, 4 Poles Available(Single | Double String)
- DC-PV2 / DC-21B: 32A up to 1000VDC

### Appearance Introduction



### Parameter

#### Electrical Characteristics

Type	BYH-32, BYH-32M1, BYH-32M2
Function	Isolator, Control
Standard	IEC60947-3, AS60947.3
Utilization category	DC-PV2 / DC-21B
Pole	4P
Rated operational voltage ( $U_e$ )	DC 500V, 600V, 800V, 1000V
Rated operational current ( $I_e$ )	See the next page
Rated insulation voltage ( $U_i$ )	1200V
Conventional enclosed thermal current ( $I_{the}$ )	//
	Same as $I_e$
Rated short-time withstand current ( $I_{cw}$ )	1kA, 1s (4,4B); 1.7kA, 1s (2H)
Rated short-time making capacity ( $I_{cm}$ )	1.7kA(4,4B); 3kA(2H)
Rated conditional short-circuit current ( $I_{cn}$ )	3kA
Rated impuled withstand voltage ( $U_{imp}$ )	8.0kV
Overtoltage category	//
Suitability for isolation	No polarity, "+" and "-" polarities could be interchanged.
Polarity	

#### Service Life/Cycle Operation

Mechanical	15000
Electrical	1000

#### Installation Environment

Ingress Protection	Enclosure	IP66
	Switch body	IP20
Storage Temperature	-50°C ~ +90°C	
Operation Temperature	-40°C ~ +85°C	
Mounting Type	Vertically or horizontally	
Pollution degree	3	
Suitable environment	Outdoor / Indoor	