

– Switch 7o Safety! –

PEBS-H Series

(Battery Switch)

DC Miniature Circuit Breaker



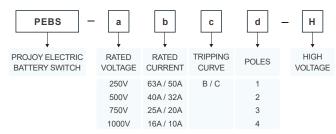
Features

DC Miniature Circuit Breakers PEBS-H, with capacities of load isolation and overload/short circuit protection, are designed for PV, energy storage and other DC applications, mainly placed between batteries and hybrid inverters. Max voltage up to 1000VDC, current up to 63A. The main designing criteria of this circuit breakers is to provide scientific arc extinguishing and flash barrier technology to fulfill quick and safe current interruption. Tested according to EN 60947-2, AS/NZS IEC 60947.2: 2015.

- Protection Functions: overload, short circuit
- Rated short circuit breaking capacity Icu up to 6 kA
- Non-polarity, Easy wiring
- Rated Current In up to 63A
- Rated Voltage Ue up to 1000V
- Designed for PV, energy storage and other DC applications







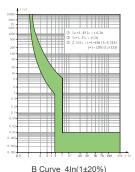
Contact Configuration

1P	2P	3P	4P		
+/- 1	1 3 -/+ ** ** */- Load 2 4	1 3 5 Load * * * *	1 3 5 7 ** * * * * Load -/+ 2 4 6 8		
	1 3 Load 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1 3 5	1 3 5 7 Load 4 * * * * * * * * * * * * * * * * * *		

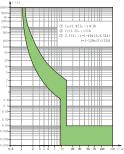
Dimensions

1P	2P	3P	4P	
17.60±0.2	35.20±0.4	52.80±0.6	70.40±0.8	74Max 49.6e.0.2 C PROJOY S OF

Tripping Characteristics



- Suitable for pure resistive load and microinductive circuit
- Available to rated current of 10A ~ 63A(63A Frame)
- Instantaneous tripping range: 4In±20%



C Curve 8In (1±20%)

- and power distribution circuit
- Available to rated current of 10A ~ 63A(63A Frame)
- Instantaneous tripping range: 8In±20%

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According to EN60947-2, AS/	NZS IEC 60947.2: 2015.						
Pole		1P	2P	3P	4P		
Rated Working Voltage Ue		250 V DC	500 V DC	750 V DC	1000 V DC		
Frame Current		63A					
Rated Current In		63A, 50A, 40A, 32A	63A, 50A, 40A, 32A, 25A, 20A,16A,10A				
Rated Insulation Voltage Ui		1000V	1000V				
Rated Impulse Withstand Voltage Uimp		6kV	6kV				
Tripping Characteristics		B/C	B/C				
Tripping Type		Thermal Magnetic	Thermal Magnetic				
Rated Ultimate Short-Circuit Breaking Capacity Icu		6kA	6kA				
Rated Service Short-Circuit Inte	errupting Capacity Ics	6kA	6kA				
Electrical Life	Actual	10000 Cycles (63A	Frame)				
	Standard	1500 Cycles					
Mechanical Life	Actual	20000 Cycles (63A	Frame)				
	Standard	8500 Cycles					
Overvoltage Category		III	III				
Pollution Degree		3	3				
Ingress Protection		IP40; Wiring port IF	IP40; Wiring port IP20				
Resistance to humidity and heat		Class 2	Class 2				
Relative Humidity		≤ 95 %	≤ 95 %				
Vibration		acc. to IEC60068-2	acc. to IEC60068-2-6				
Shocks		acc. to IEC60068-2	acc. to IEC60068-2-27				
Terminal capacity		2.5~35mm²	2.5~35mm²				
Fastening Torque of Terminals		2.0 ~ 3.5 Nm	2.0 ~ 3.5 Nm				
Ambient Temperature		-30°C~70°C	-30°C~70°C				
Storage Temperature		-40°C~85°C	-40°C~85°C				
Installation Method		DIN	DIN				
Elevation		≤2000m	≤2000m				
Dimension		Width:17.6mm/pole	Width:17.6mm/pole (63A Frame)				
		High: 84mm					
		Depth: 74mm	Depth: 74mm				
Weight		0.12kg/Pole	0.12kg/Pole				

Package Information					Storage	
Current	Pole	Box	Carton	Pallet	Products should be stored in the warehouse where there is ventilation. The relative humidit there should not exceed 80%, and the ambient temperature there is between -40 ℃ to + 85	
63A/32A	1P	12	8	80		
	2P	6	8	80	In addition, there should not be acidic, alkaline and corrosive gas in the air.	
	3P	4	8	80	Products should not be deposited more than 5 years in the above mentioned conditions since	
	4P	3	8	80	the producing date.	

Order Choosing Specification Client Information: No. of Pole Trip Type Quantity Delivery Date Rated Current (A) ___16 С 32 25 ___ 10 _ 1 _ 3 _ 4 63 50 __ 40 20 В 2 _ 4 50 ___ 20 63 __ 40 __ 25 В _ C _ 1 _ 2 _ 3 32 ___16 ___ 10 _ 4 63 50 __ 40 32 ___ 25 ___ 20 ___16 ___ 10 В _ C _ 1 _ 2 ___ 3 63 25 В _ C _ 1 _ 2 _ 4 __ 50 __ 40 32 ___ 20 ___16 __ 10

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