

# DC Miniature Circuit Breaker

PEBS-S Series  
(Battery switch)



**PROJOY**  
electric  
- Switch To Safety! -



## HIGH CRAFTSMANSHIP AND HIGH STANDARDS

Bright and Eye-catching

In line with the working habits of firefighters, it is conducive to quickly locate the operating location.



Small Volume



Short circuit Protection



Overload Protection



Flame Retardant



High Breaking Capability



Arcing Short



Complete Accessories



Multiple Wiring

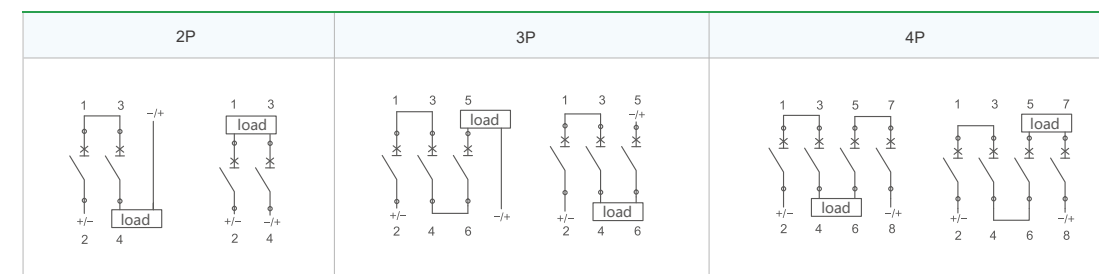


## Select Code

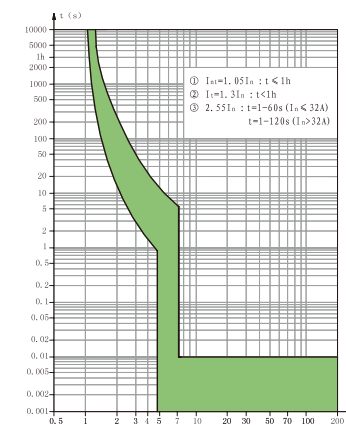
PEBS	-	S	-	a	b	c	d
↓		↓		↓	↓	↓	↓
Projoy Energy Battery Breaker		Super model		Rated Voltage(V)	Rated Current(A)	Tripping Character	Poles
				250V 500V 750V 1000V	80A 63A, 50A 40A, 32A 25A, 20A 16A	B C	2 3 4



## Contact Configuration

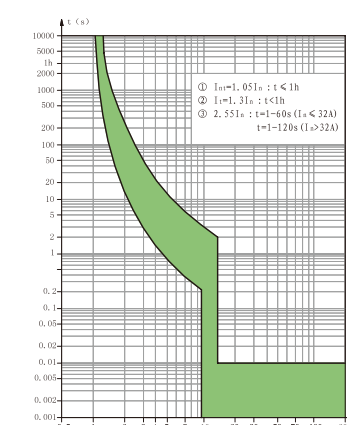


## Tripping Characteristics



B Curve  $4I_n (1 \pm 20\%)$

- Suitable for pure resistive load and microinductive circuit
- Available to rated current of 10A ~ 80A(80A Frame)
- Instantaneous tripping range:  $4I_n \pm 20\%$



C Curve  $8I_n (1 \pm 20\%)$

- Suitable for general load and power distribution circuit
- Available to rated current of 10A ~ 80A(80A Frame)
- Instantaneous tripping range:  $8I_n \pm 20\%$

 **Technical data**

According to UL489, CSA C22. 2, NO. 5				
Pole	2P	3P	4P	
Rated Working Voltage U <sub>e</sub>	500 V DC	750 V DC	1000 V DC	
Frame Current	80A			
Rated Current I <sub>n</sub>	80A, 63A, 50A, 40A, 32A, 25A, 20A, 16A			
Rated Insulation Voltage U <sub>i</sub>	1000V			
Rated Impulse Withstand Voltage U <sub>imp</sub>	6kV			
Tripping Characteristics	B/C			
Tripping Type	Thermal Magnetic			
Rated Ultimate Short-Circuit Breaking Capacity I <sub>cu</sub>	10kA			
Rated Service Short-Circuit Interrupting Capacity I <sub>cs</sub>	6kA			
Electrical Life	Actual	> 1500 Cycles		
	Standard	300 Cycles		
Mechanical Life	Actual	>20000 Cycles		
	Standard	8500 Cycles		
Overvoltage Category	III			
Pollution Degree	3			
Ingress Protection	IP40; Wiring port IP20			
Resistance to humidity and heat	Class 2			
Relative Humidity	≤ 95 %			
Wiring capacity	14 ~ 2 AWG			
Wiring knob	2.0 ~ 3.5 Nm			
Ambient Temperature	-30°C~70°C			
Storage Temperature	-40°C~85°C			
Installation Method	DIN			
Elevation	≤2000m			
Dimension	Width:72mm			
	High: 114mm			
	Depth: 76mm			
Weight	0.12kg/Pole			

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

**Dimensions**

