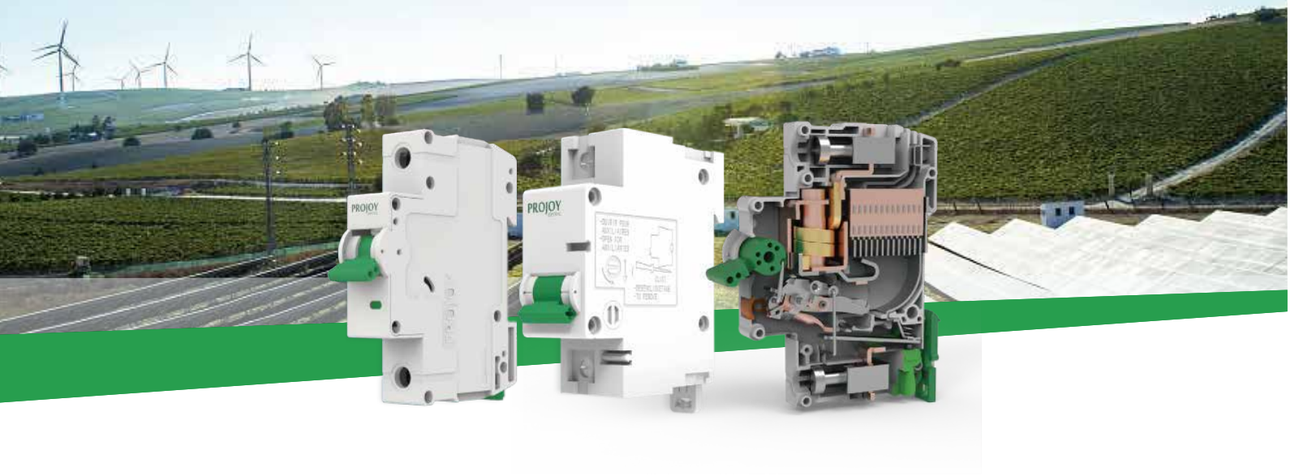
DC Miniature Circuit Breaker

PEBS-L-63 Series

PROJOY electric

– Switch To Safety! –



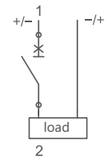
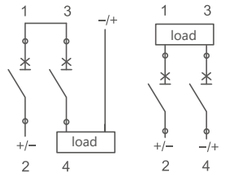
HIGH CRAFTSMANSHIP AND HIGH STANDARDS

- Small Volume
- Short circuit Protection
- Overload Protection
- Flame Retardant
- High Breaking Capability
- Arcing Short
- Complete Accessories
- Multiple Wiring

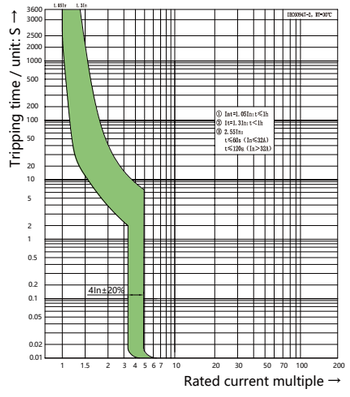
Select Code

PEBS	–	E	V	C	T	–	P
Projoy Energy BatteryBreaker		Catalog	Rated Voltage(V)	Rated Current(A)	Tripping Character		Poles
		L	80 160	10,16,20 25,32,40 50,63	B C		1 2

Contact Configuration

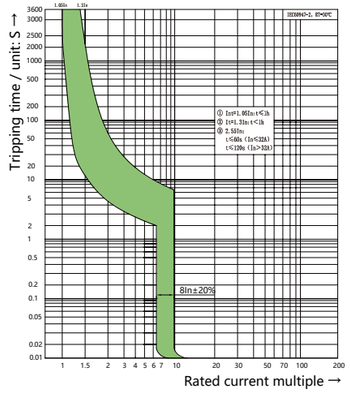
1P	2P
	

Tripping Characteristics



B Curve 4In±20%

Applicable rated current≤63A



C Curve 8In±20%

Applicable rated current≤63A

PROJOY electric – Switch To Safety! –

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Technical data

PEBS-L-63

According to EN60947-2, AS/NZS IEC 60947.2:			
Pole		1P	2P
Rated Working Voltage Ue		80 V DC	160 V DC
Frame Current		63A	
Rated Current In		10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A	
Rated Insulation Voltage Ui		500V	
Rated Impulse Withstand Voltage Uimp		6kV	
Tripping Characteristics		B/C	
Tripping Type		Thermal Magnetic	
Rated Ultimate Short-Circuit Breaking Capacity Icu		10kA	
Rated Service Short-Circuit Interrupting Capacity Ics		7.5kA	
Electrical Life	Actual	Average 1000 Cycles	
	Standard	300 Cycles	
Mechanical Life	Actual	> 10000 Cycles	
	Standard	9700 Cycles	
Overvoltage Category		III	
Pollution Degree		3	
Ingress Protection		IP40; Wiring port IP20	
Resistance to humidity and heat		Class 2	
Relative Humidity		≤ 95 %	
Vibration		acc. to IEC60068-2-6	
Shocks		acc. to IEC60068-2-27	
Terminal capacity		2.5~35mm²	
Fastening Torque of Terminals		2.0Nm	
Ambient Temperature		-30℃~70℃	
Storage Temperature		-40℃~85℃	
Installation Method		DIN35	
Elevation		≤2000m	
Dimension		length: 81mm	
		Width: 18mm (1P), 36mm (2P)	
		High: 73mm	
Weight		0.12kg/Pole	

Package Information				
Current	Pole	Box	Carton	Pallet
63A	1P	12	8	80
	2P	6	8	80

Storage

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℃ to + 85℃. In addition, there should not be acidic, alkaline and corrosive gas in the air.

Order Choosing Specification

Client Information:

Note: One pole for 80V, 2 poles for 80V or 160.

	Rated Current (A)									Trip Type		Voltage		No. of Pole		Quantity	Delivery Date
63A Frame	☐ 63	☐ 50	☐ 40	☐ 32	☐ 25	☐ 20	☐ 16	☐ 10		☐ B	☐ C	☐ 80	☐ 160	☐ 1	☐ 2		
63A Frame	☐ 63	☐ 50	☐ 40	☐ 32	☐ 25	☐ 20	☐ 16	☐ 10		☐ B	☐ C	☐ 80	☐ 160	☐ 1	☐ 2		

Reducttion coefficient

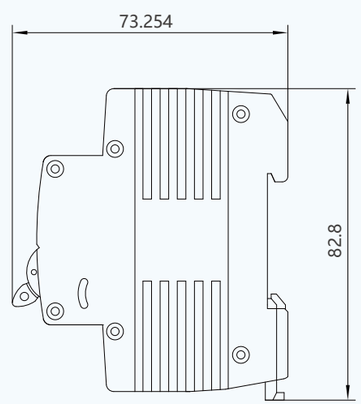
Temperature reduction coefficient																				
Temperature	-30℃	-25℃	-20℃	-15℃	-10℃	-5℃	0℃	5℃	10℃	15℃	20℃	30℃	35℃	40℃	45℃	50℃	55℃	60℃	65℃	70℃
The rated work current coefficient	1.242	1.223	1.204	1.182	1.161	1.143	1.127	1.103	1.079	1.063	1.047	1	0.984	0.968	0.952	0.922	0.904	0.891	0.872	0.844

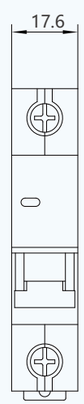
Altitude reduction coefficient				
Altitude m	2000	3000	4000	5000
The rated working current coefficient	1	0.96	0.91	0.86
The rated work voltage coefficient	1	1	1	1
Rated industrial frequency resistance coefficient	1	0.9	0.82	0.71
The rated impact tolerance voltage coefficient	1	0.9	0.82	0.71
The rated ultimate short-circuit capacity and electronic life coefficient	1	0.82	0.7	0.6

MCB Side -by -side installation reduction coefficient					
Number of MCBs	1	2 ~ 3	4 ~ 5	6 ~ 8	9 ~ 10
In≤25A coefficient	1	0.96	0.9	0.8	0.7
32A≤In≤63A coefficient	1	0.92	0.8	0.7	0.6

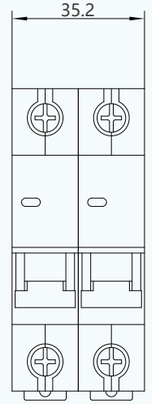
Dimensions

Unit: mm





1P



2P