

PEBS-L Series

(Battery Switch)

DC Miniature Circuit Breaker

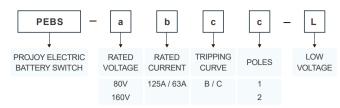


Features

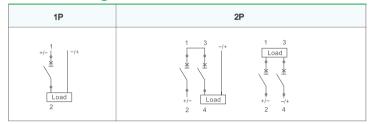
DC Miniature Circuit Breaker PEBS-L Series, with capacities of load isolation and overload/short circuit protection, are designed for PV, energy storage and other DC applications, mainly placed between batteries and hybrid inverters. Max voltage up to 160VDC, current up to 125A. The main designing criteria of PEBS 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 10 kA.
- Non-polarity, Easy wiring.
- Rated Current In up to 125A.
- Rated Voltage Ue up to 160V.
- Designed for PV, energy storage and other DC applications.

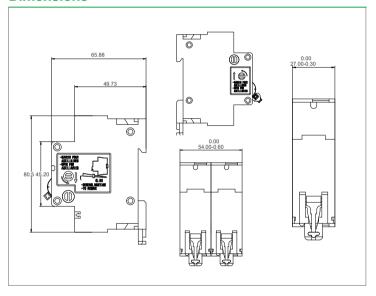




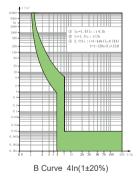
Contact Configuration



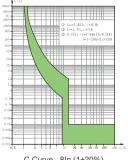
Dimensions



Tripping Characteristics



- · Suitable for pure resistive load and microinductive circuit
- Available to rated current of 10A ~ 63A (63A Frame), 80A ~ 125A(125A Frame)
- Instantaneous tripping range: 4In±20%



C Curve 8In (1±20%)

- · Suitable for general load and power distribution circuit
- Available to rated current of 10A ~ 63A (63A Frame), 80A ~ 125A(125A Frame)
- Instantaneous tripping range: 8In±20%

ProJoy Electric Co., Ltd.

XinTang Industrial Zone, PingJiang District, Suzhou, China Tel: +86 512 6878 6489 | Fax: +86 512 6878 6489 Email: sales@projoy-electric.com | www.projoy-electric.com



			J	electr	ic
_	Switch	70	S	rfety!	_

According t	o EN60947-2	2, AS/NZS IEC	60947.2: 201	5.										
Pole					1P 2P									
Rated Working Voltage Ue				1 V08	OC					80V DC /	160 V DC			
Frame Current					63A, 125A									
Rated Current In 63A Frame 125A Frame				10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A										
				63A, 80A, 100A, 125A										
Rated Insulation Voltage Ui						500V								
Rated Impul	lse Withstand	6kV												
Tripping Characteristics						B/C								
Tripping Typ	Tripping Type						Thermal Magnetic							
Rated Ultimate Short-Circuit Breaking Capacity Icu						10kA								
Rated Service Short-Circuit Interrupting Capacity Ics						7.5kA								
Electrical Life			Actual		1000	0 Cycles ((63A Fram	ne), 5000	Cycles (12	25A Frame	:)			
			Standard		1500 Cycles									
Mechanical	Life		Actual		20000 Cycles (63A Frame), 10000 Cycles (125A Frame)									
		-	Standard		8500 Cycles									
Overvoltage	Overvoltage Category						III							
Pollution De	gree				3									
Ingress Protection						IP40; Wiring port IP20								
Resistance	Resistance to humidity and heat						Class 2							
Relative Hu	midity				≤ 95 %									
Vibration					acc. to IEC60068-2-6									
Shocks	Shocks						acc. to IEC60068-2-27							
Terminal cap	pacity				2.5~35mm²									
Fastening To	orque of Termi	inals			2.0 ~ 3.5 Nm									
Ambient Ter	Ambient Temperature						-30°C~70°C							
Storage Ten	Storage Temperature						-40°C~85°C							
Installation I	Installation Method						DIN							
Elevation	Elevation						≤2000m							
						Width:18mm/pole (63A Frame), 27mm/pole (125A Frame)								
Dimension						High: 85mm								
						Depth: 74mm								
Weight					0.12kg/Pole									
Package Ir	nformation				Storag	е								
Current	Pole	Box	Carton	Pallet			ho atorod	in the we	robougo w	thoro thor	a io vontilo	tion. The relati	vo humidity	
	1P	10	8	60		Products should be stored in the warehouse where there is ventilation. The relative humidi there should not exceed 80%, and the ambient temperature there is between -40°C to + 85°C.								
125A	2P	5	8	60	In addit	tion, there	should n	ot be acid	lic, alkaline	and corre	osive gas i	n the air.		
	1P	12	8	80	Products should not be deposited more than 5 years in the above mentioned conditions sir							nditions since		
63A	2P	6	8	80	the pro	ducing da	ite.							
Order Choosing Specification														
Client Information: Note: One pole for 80V, 2 poles for 80									es for 80V or 160.					
Rated Current (A)						Trip Type Voltage No. of Pole Qua				Quantity	Delivery Date			
63A Frame	63 50	40 :	32 25	2016	_ 10	□В	_ C	□ 80	160	_ 1	_ 2			
125A Frame	125 🗌 100	80	63			□В	_ C	□ 80	160	_ 1	_ 2			
63A Frame	63 50	40	32 25	20 16	10	В	_ C	80	160	1	_ 2			

63

125A Frame 125 100 80

ProJoy Electric Co., Ltd.

С

160