

– Switch To Safety! –



HIGH CRAFTSMANSHIP AND HIGH STANDARDS



Small
Volume



Short circuit Protection



Overload Protection



Flame
Retardant



High Breaking Capability



Arcing Short



Complete
Accessories



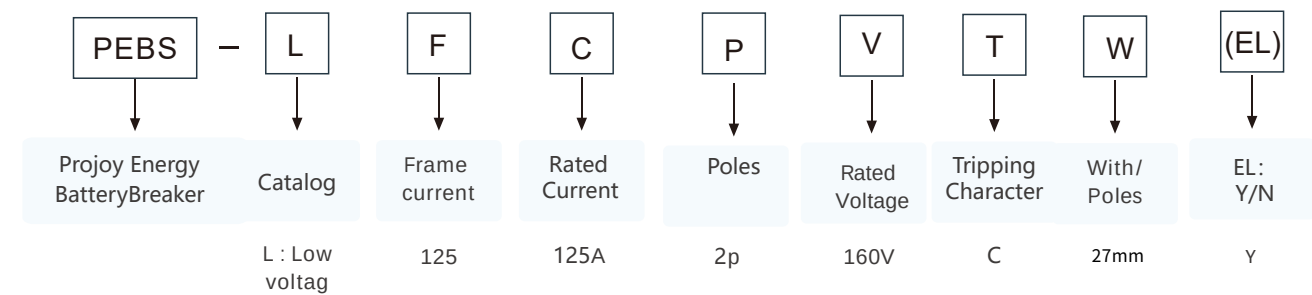
Multiple Wiring

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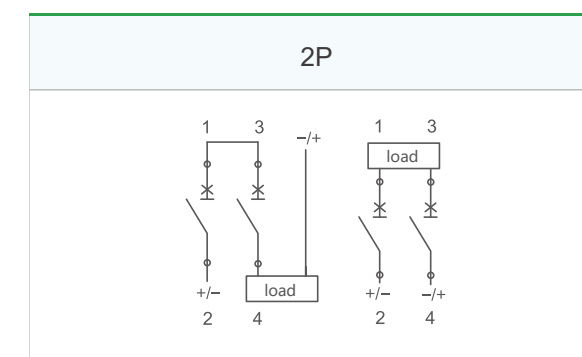
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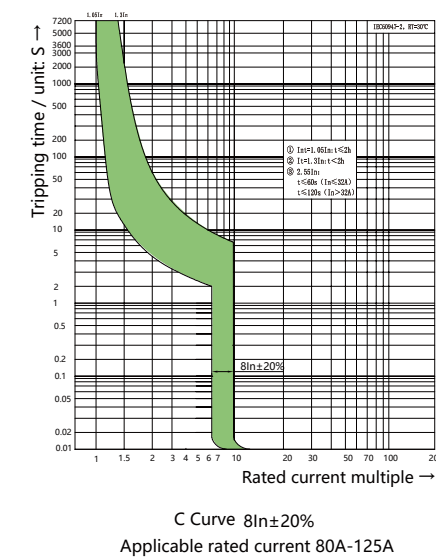
Select Code



Contact Configuration



Tripping Characteristics



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V2.202412

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Technical data

According to EN60947-2, AS/NZS IEC 60947.2:		
Pole	2P	
Rated Working Voltage Ue	160 V DC	
Frame Current	125A	
Rated Current In	125A	
Rated Insulation Voltage Ui	500V	
Rated Impulse Withstand Voltage Uimp	6kV	
Tripping Characteristics	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	125A>200 Cycles ; 80A,100A>300 Cycles
	Standard	200 Cycles
Mechanical Life	Actual	> 10000 Cycles
	Standard	10000 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	4~50mm²	
Fastening Torque of Terminals	3.5 Nm	
Ambient Temperature	-30℃~70℃	
Storage Temperature	-40℃~85℃	
Installation Method	DIN35mm	
Elevation	≤2000m	
Dimension	length: 86mm	
	Width: 54mm (2P)	
	High: 76.5mm	
Weight	0.17kg/Pole	

Reduction coefficient

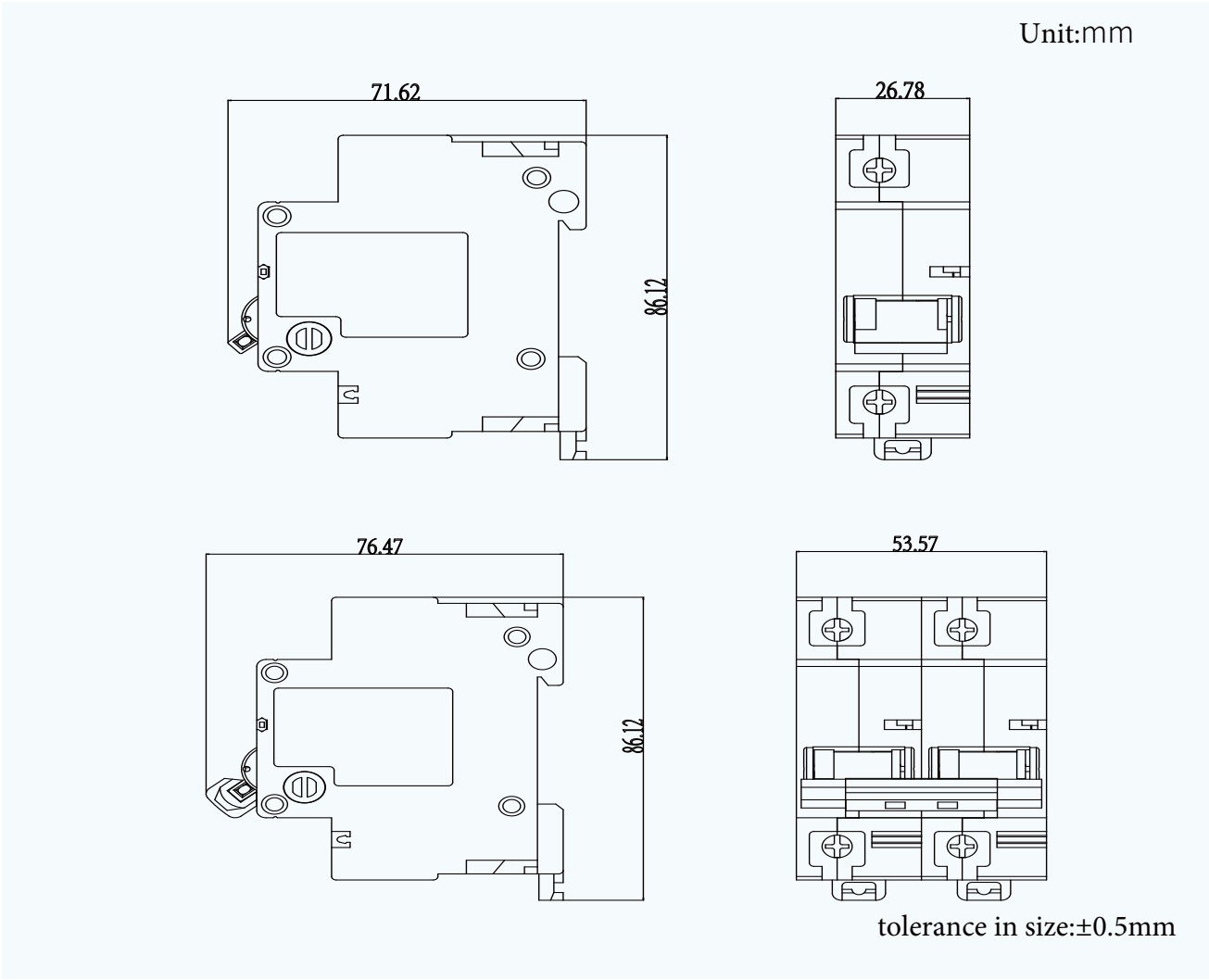
Temperature reduction coefficients0℃																	
Temperature	-10	-5	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70
temperature coefficient	1.303	1.280	1.257	1.234	1.210	1.186	1.161	1.136	1.110	1.084	1.057	1.028	1	0.970	0.940	0.909	0.876
In (A)	162.9	160.0	157.1	154.3	151.3	148.3	145.1	142.0	138.8	135.5	132.1	128.5	125	121.3	117.5	113.6	109.5

Technical data

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

Harness specification			
Current specification(A)	Copper wire specification (AWG)	Traverse area (mm²)	Wiring torque (N.m)
80	4	25	3.5
100	2	35	
125	1	50	

Dimensional drawing



WEATHERPROOF ENCLOSURE

Weatherproof Enclosure with DC mini circuit breaker inside is vitally important party of any solar installation. With capacities of load isolation and overload/ short circuit protection, is designed for PV, energy storage and other DC applications, mainly placed between batteries and hybrid inverters. This enclosure meets all the required standards and has been classed as IP66. With DIN rail circuit breakers completed with a soring loadedlockable lid inside. It is applicable for special waterproof, dust-proof and corrosion-proof locations with top and bottom cable entry.

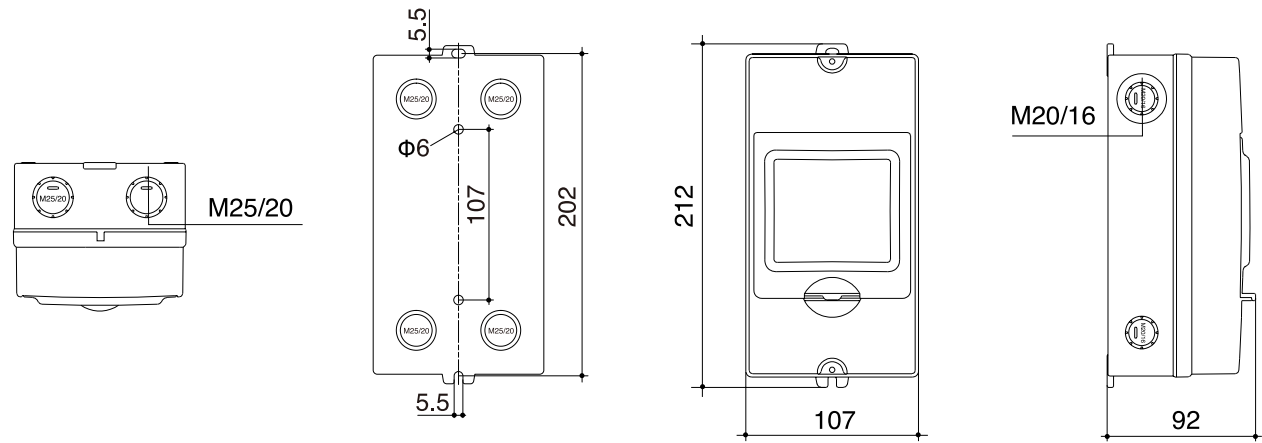
ADVANTAGES



- 100% PC Enclosure in Series
- Flame Retardant PC Enclosure
- All True DC Components for PV Protection
- Customized and AC Optional
- 5 Years Warranty

Technical Data

DC MCB	Up to 160Vdc and 125Adc
Enclosure Material	100% poly-carbonate, Anti-UV protection
Installation	Out-door and In-door IP66
Enclosure Size	107×212×92(mm)



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编订	参数校核	批准
严九元	徐明	曹华惠

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