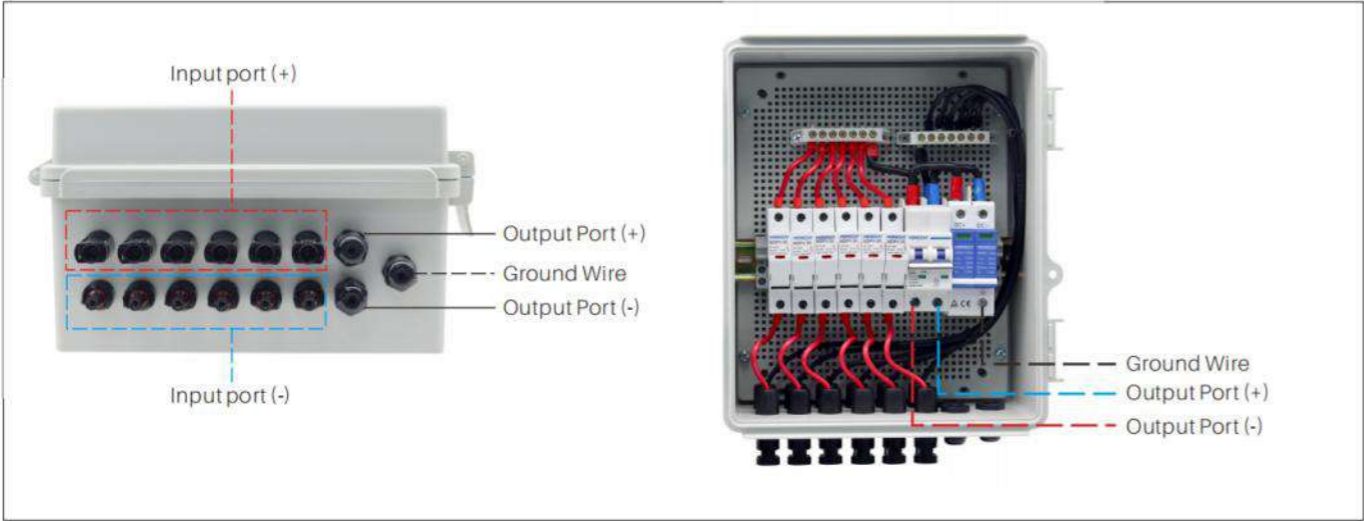


Insatallation



Instruction

1. Box Input: Connect the panel connectors (module output and combiner input), make sure the negative wire of module output connected to the blue area (as the picture instructed); the positive wire of module output connected to the red area (as the picture instructed).
2. Box Output: Connect PV wires to the output terminals of DC circuit breaker (both "+" and "-"; as the picture instructed), connect the ground wire to the ground terminal of DC arrester. All the output wires separately pass through the cable glands, make sure all the cable glands properly tightened.

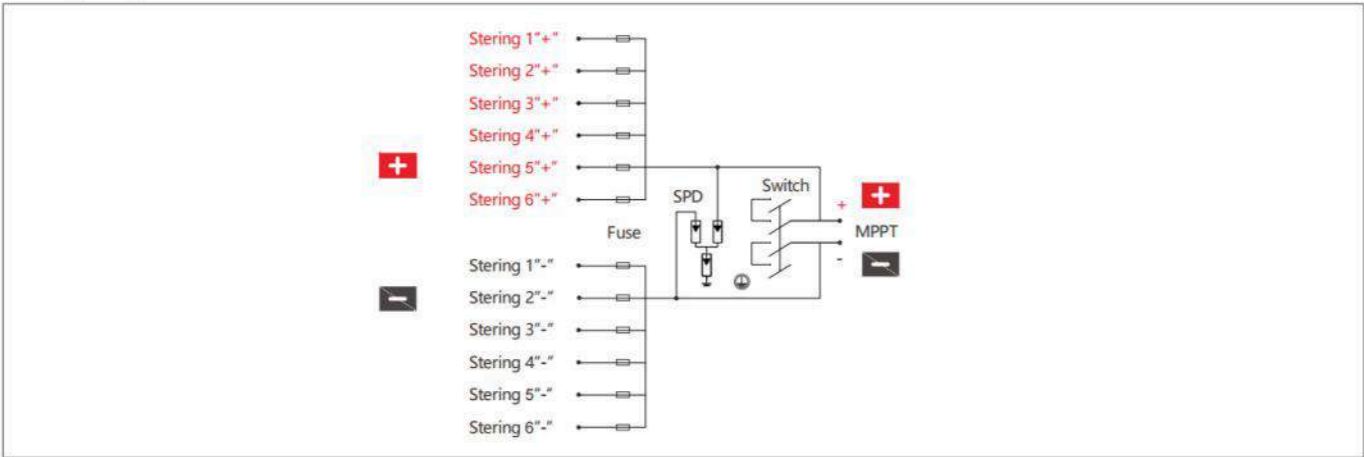
Notice:

1. All connections must be carried out under the state of power failure.
2. Let the professional electrical engineer carry on connecting line.
3. The flammable and explosive are forbidden in the installing concourse.

Warranty & Service

Standard Combiner Boxes come with 3 year warranty, except on the consumables such as fuses. If you have any question, just feel free tocontact me.

Wiring diagram



MDB1Z-63/MDB1Z-100
DC MCB



Overview

Dc circuit breaker limited current performance, can accurately protect relay protection, automatic device from overload, short circuit and other faults. Advantages of current limiting and arc extinguishing capabilities of dc circuit breakers.

Technical Specification

Technical Specification			MDB1Z-63		
Pole		1P	2P	3P	4P
Rated Working Voltage Ue		250V DC	600V DC	800V DC	1000V DC
Frame Current		63A			
Rated Current In		63A, 50A, 40A, 32A, 25A, 20A, 16A, 10A			
Rated Insulation Voltage Ui		1000V			
Rated Impulse Withstand Voltage Uimp		6kV			
Tripping Characteristics		B/C			
Tripping Type		Thermal Magnetic			
Rated Ultimate Short-Circuit Breaking Capacity Icu		6kA			
Rated Service Short-Circuit Interrupting Capacity Ics		6kA			
Electrical Life	Actual	> 1500 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		2.0~3.5 Nm			
Ambient Temperature		-30℃~70℃			
Storage Temperature		-40℃~85℃			
Installation Method		DIN			
Elevation		≤2000m			
Dimension		Width:72mm			
		High: 87.5mm			
		Depth: 81mm			
Weight		0.12kg/Pole			