

# ADCR Series PV Rail-Mount DC Circuit Breakers



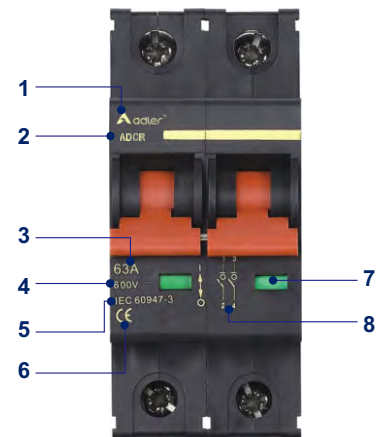
## Features

- Nonpolarity
- High Short-Circuit / Breaking Capacity
- Functions: Overload, Short Circuit, Unfrequent Operation and, Anti-reflux Protection
- Rated Voltage: 1200 V, Ultimate Breaking Capacity: 6 kA
- Rated Current: 63 A
- Comply with : IEC60947-2/GB14048-2

## Parameter

Electrical Characteristics		ADCR			
Type		ADCR			
Comply with		IEC60947-2/GB14048.2			
Pole		1P	2P	3P	4P
Rated Working Voltage	Ue	300 VDC	600 VDC	900 VDC	1200 VDC
Max Rated Current		63A			
Rated Current	In	3 A, 4 A, 6 A, 10 A, 13 A, 16 A, 20 A, 25 A, 32 A, 40 A, 50 A, 63 A			
Rated Insulated Voltage	Ui	1200 VDC			
Rated Impulsed Voltage	Uimp	4 kV			
Ultimate Breaking Capacity	Icu	6 kA			
Run Breaking Capacity	Ics	100 %			
Curve Type		B			
Tripping Type		Thermal Magnetic Type			
Service Life/cycle Operation					
Mechanical	Actual Value	20000			
	Standard Value	8500			
Electrical	Actual Value	4000			
	Standard Value	1500			
Installation Environment					
Ingress Protection		All Sides IP40 ,Connection Terminal IP20			
Terminal Cross Section		2.5-25 mm <sup>2</sup>			
Working Temperature		-25°C to +70°C			
Storage Temperature		-40°C to +85°C			
Resistance to Humidity And Heat		II (at humidity levels up to 55 %, Relative Humidity 95 %)			
Resistance to Shock		2.6 IEC60068			
Resistance to Impact		2.27 IEC60068			

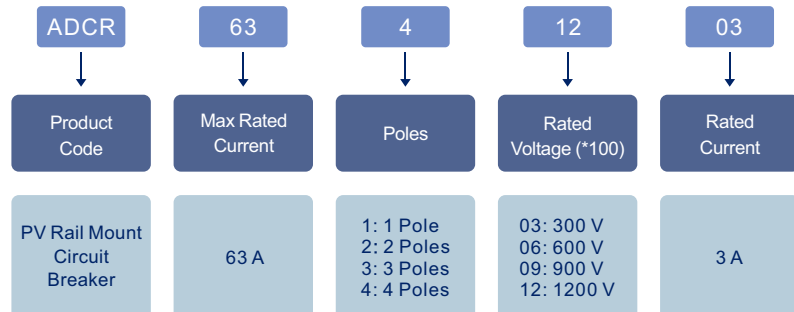
## Product Architecture



- 1 Brand
- 2 Type
- 3 Rated Current
- 4 Rated Voltage
- 5 Breaking Capacity
- 6 Standard
- 7 Indicator
- 8 Wiring Diagram







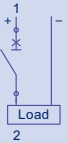
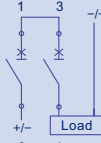
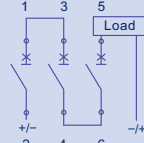
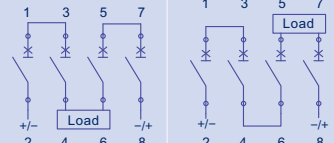
## Model Numbering Definitions



## Application

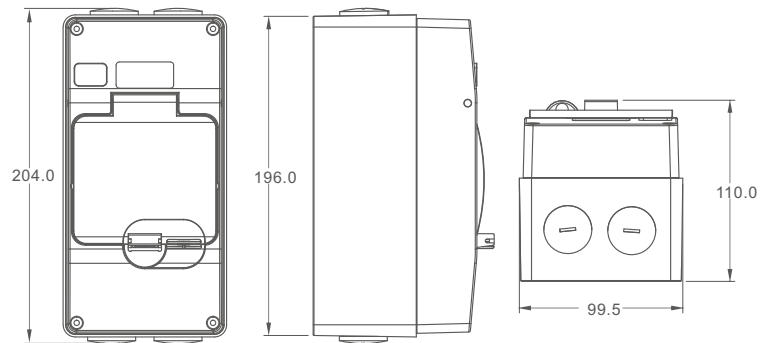
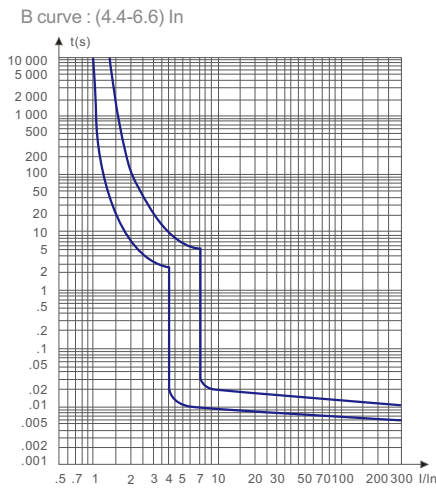
ADLER's ADCR Series PV Circuit Breakers are mainly applied to DC solar combiner box ,Controller etc. The main function include overload protection, Anti-reflux protection and short-circuit protection. The scientific design of the arc-extinguishing system increase the safety of the solar system.They support an operational voltage of up to 1200 VDC and rated current of up to 63 A.

## Wiring Method

Pole	1P	2P	3P	4P
Type				
Contacts Wiring graph				

## Characteristic Curve

## Dimensions(mm)



## Dimensions(mm)

