

ADCR Series PV Rail-Mount DC Circuit Breakers



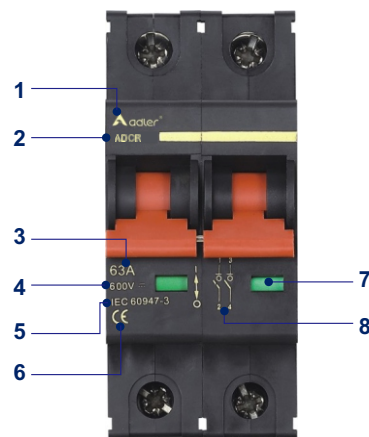
FEATURES:

- 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: IEC 60947-2 and GB 14048-2

PARAMETER

Type		ADCR			
Max Rated Current		63A			
Pole		1P	2P	3P	4P
Rated Working Voltage	Ue	300 VDC	600 VDC	900 VDC	1200 VDC
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 (twelve current)			
Rated Insulated Voltage	Ui	1200 VDC			
Rated Impulsed Voltage	Uimp	6 kV			
Ultimate Breaking Capacity	Icu	6 kA			
Run Breaking Capacity	Ics	3 kA			
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 ²			
Working Temperature		-25 °C to +70 °C			
Storage Temperature		-40 °C to +85 °C			
Resistance to Humidity and Heat		II (when Temperature arrived to 55 °C, Relative Humidity up to 95 %)			
Resistance to Shock		2.6 IEC 60068			
Resistance to Impact		2.27 IEC 60068			

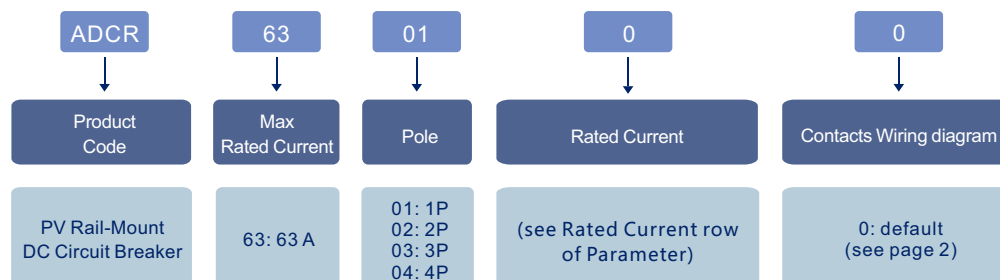
PRODUCT ARCHITECTURE



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



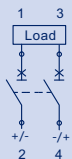
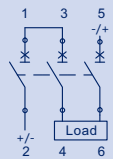
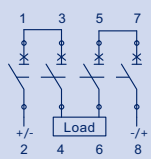
MODEL NUMBERING DEFINITIONS



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 the rated working voltage up to 1200 VDC and rated current up to 63 A.

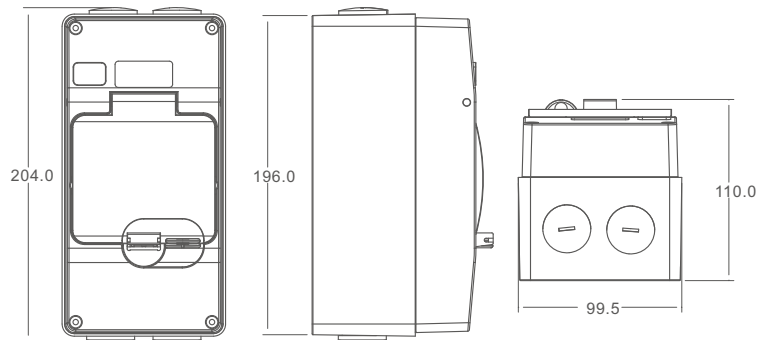
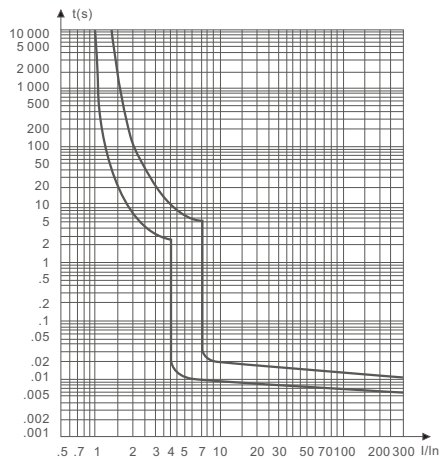
WIRING METHOD

Pole	01: 1P	02: 2P	03: 3P	04: 4P
Type				
Contacts Wiring diagram				

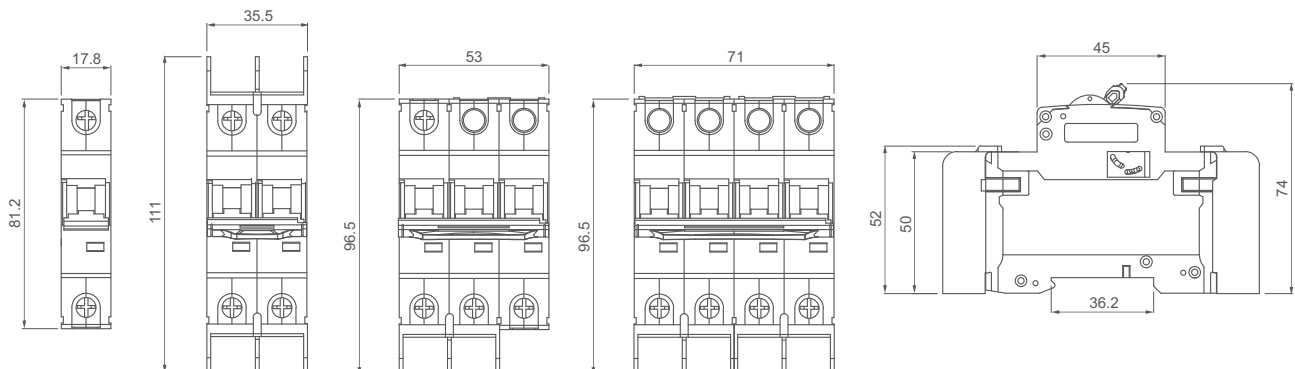
CHARACTERISTIC CURVE

DIMENSIONS (mm)

B curve : (4.4-6.6) In



DIMENSIONS (mm)



LABEL:

ADCR, 1P



ADCR-063
 $U_i=1200V$
 $I_i=5.5I_n$
 $I_{cs}=3kA$
 $U_{imp}=6kV$
 Category: A
 $+40^{\circ}C$





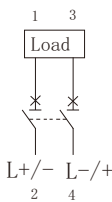
Made in China

ADCR, 2P



ADCR-063
 $U_i=1200V$
 $I_i=5.5I_n$
 $I_{cs}=3kA$
 $U_{imp}=6kV$
 Category: A
 $+40^{\circ}C$





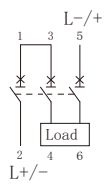
Made in China

ADCR, 3P



ADCR-063
 $U_i=1200V$
 $I_i=5.5I_n$
 $I_{cs}=3kA$
 $U_{imp}=6kV$
 Category: A
 $+40^{\circ}C$





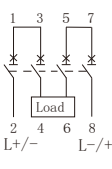
Made in China

ADCR, 4P



ADCR-063
 $U_i=1200V$
 $I_i=5.5I_n$
 $I_{cs}=3kA$
 $U_{imp}=6kV$
 Category: A
 $+40^{\circ}C$





Made in China