

ADCM Series PV Moulded Case DC Circuit Breakers



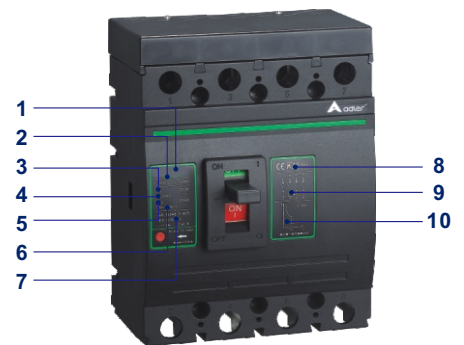
FEATRUES:

- High Short-Circuit/Breaking Capacity
- Protection Functions: Overload, Short circuit, Unfrequent Operation
- Rated Voltage up to 1000 VDC
- Rated Current 125 A, 250 A, 400 A
- IEC 60947-2 and GB 14048-2
- Easy Installation

PARAMETER

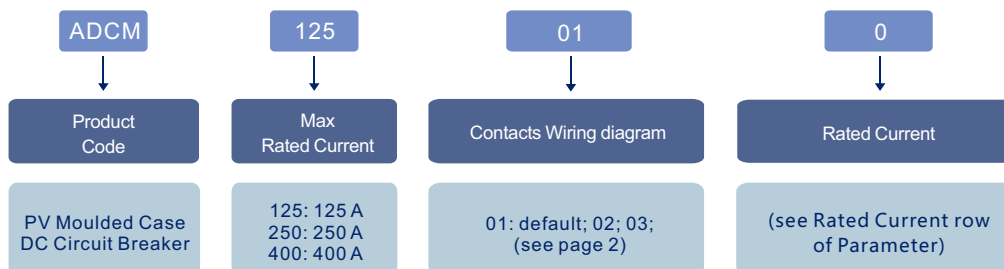
ADCM Series			
Type	ADCM-125	ADCM-250	ADCM-400
Max Rated Current	125 A	250 A	400 A
Pole	4P		
Rated Working Voltage	Ue 1000 VDC		
Rated Current	In 63 A; 80 A; 100 A; 125 A (four current)	125 A; 160 A; 200 A; 250 A (four current)	250 A; 300 A; 315 A; 350 A; 400 A (five current)
Rated Insulated Voltage	Ui 1000 VDC		
Rated Impulsed Voltage	Uimp 8 kV		
1 Min Power Frequency Withstand Voltage	3.8 kV	3.8 kV	3.8 kV
Ultimate Breaking Capacity	Icu 20 kA	20 kA	20 kA
Run Breaking Capacity	Ics 15 kA	15 kA	15 kA
Protection			
Tripping Type	Thermal Magnetic Type		
Control and Indication			
Control Mode	Manual	Direct (RHD)	Optional
		Extended(ERH)	Optional
		MOD	Optional
		Shunt Release (SHT)	Optional
		Auxiliary Release	Optional
		Terminal End Cover	Yes
		Interphase Barriers	Yes
Service Life/Cycle Operation			
Mechanical	14000	14000	5000
Electrical	5000	5000	1500
Size (L x W x H)	150.5x122x92.5	165x140x88	258x198x107
Ingress Protection	All Sides IP40, Connection Terminal IP20		
Installation Environment			
Storage Temperature	-40 °C to +85 °C		

PRODUCT ARCHITECTURE



- 1 Brand
- 2 Type
- 3 Rated Current
- 4 Rated Voltage
- 5 Breaking Capacity
- 6 Operation Breaking Capacity
- 7 Standard Code
- 8 Certificate Symbol
- 9 Wiring Diagram
- 10 Characteristic Curve

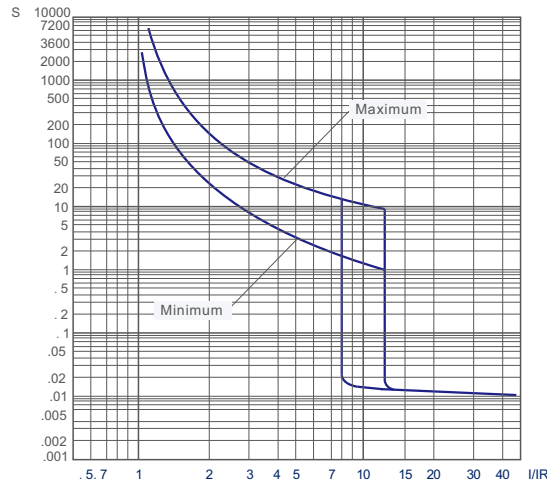
MODEL NUMBERING DEFINITIONS



APPLICATION

ADLER's ADCM series PV DC Moulded Case Circuit Breakers are mainly used in large scale solar power systems, and are installed in DC combiner boxes, inverter equipment and DC power distribution cabinets. They support the rated working voltage up to 1000 VDC, and rated current up to 400 A, for optimal protection against overloads and short circuit protection.

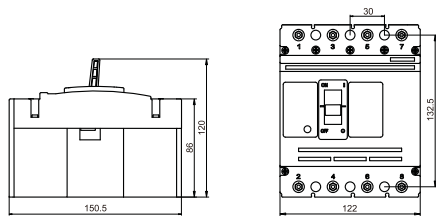
CHARACTERISTIC CURVE



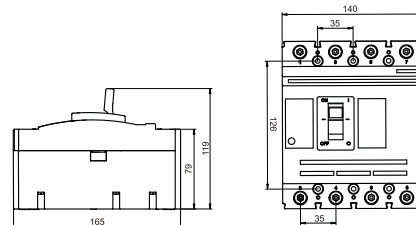
Type	ADCM-125	ADCM-250	ADCM-400
Picture			
Contacts Wiring diagram	<p>01: default</p> 	<p>02</p> 	<p>03</p> 

DIMENSIONS (mm)

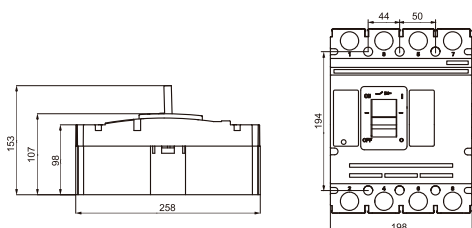
125A



250A

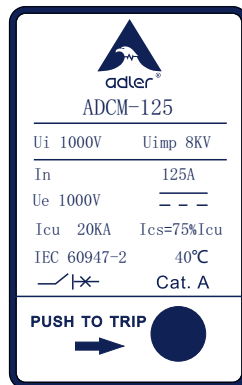






400A

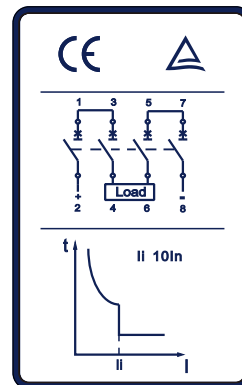




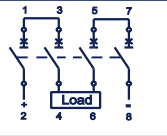
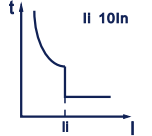
LABEL:

ADCM-125

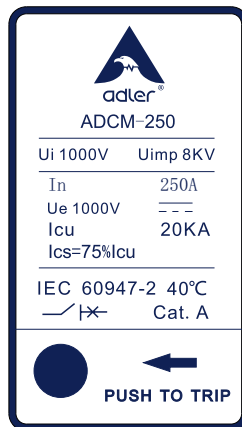







ADCM-125
 Ui 1000V Uimp 8KV
 In 125A
 Ue 1000V ---
 Icu 20KA Ics=75%Icu
 IEC 60947-2 40°C
 Cat. A
PUSH TO TRIP  

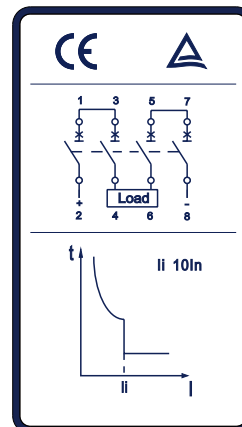




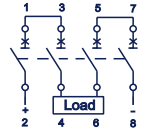
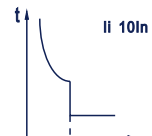
 



ADCM-250

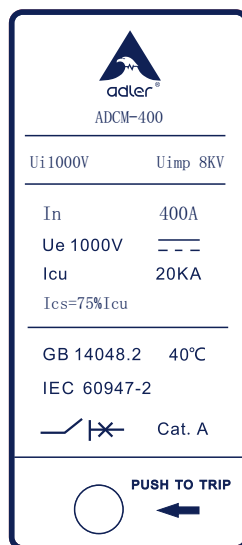







ADCM-250
 Ui 1000V Uimp 8KV
 In 250A
 Ue 1000V ---
 Icu 20KA
 Ics=75%Icu
 IEC 60947-2 40°C
 Cat. A
  **PUSH TO TRIP**



ADCM-400




ADCM-400
 Ui 1000V Uimp 8KV
 In 400A
 Ue 1000V ---
 Icu 20KA
 Ics=75%Icu
 GB 14048.2 40°C
 IEC 60947-2
 Cat. A
  **PUSH TO TRIP**

