DC MOULDED CASE CIRCUIT BREAKER



APPLICATION / DESCRIPTION

ADM8 series photovoltaic special DC molded case circuit breaker is suitable for DC grid circuit with rated voltage up to DC1500V.

DC circuit breaker has overload long delay protection and short circuit instantaneous protection functions. It is used to distribute electric energy and protect the circuit and the power supply equipment against the danger of overload, short circuit, etc.

The operating mechanism of the DC circuit breaker has the functions of quick closing and fast reading segmentation, compact structure, small size, and is convenient to install.

It is in conformity with the IEC 60947-2 standard.

MAIN TECHNICAL DATA

Main Parameter		DC-125	DC-250	DC-320	DC-400	DC-630
Rated Operational Voltage	V	250VDC	1000VDC	1500VDC	1500VDC	1500VDC
Rated insulation voltage Ui	V	1000VDC	1500VDC	1600VDC	1600VDC	1600VDC
rated impulse withstand voltage Uimp	kV	8kV	8kV	12kV	12kV	12kV
Poles	P	2P				
Rated Current	A	10, 16, 20, 25, 32, 40, 50, 63, 80, 100, 125	100, 125, 140, 160, 180, 200, 225, 250	100, 125, 140, 160, 180, 200, 225, 250, 280, 315, 320	250, 315, 350, 400	400, 450, 500, 630
Rated ultimate short-circuit breaking capacity Icu (kA)	DC110V	35				
	DC250V	25				
	DC550V		35			
	DC750V		25	85	85	85
	DC1000V		20	50	50	50
	DC1200V			35	35	35
	DC1500V			20	20	20
Rated service short-circuit breaking capacity (kA)	DC110V	35				
	DC250V	25				
	DC550V		35			
	DC750V		25	85	85	85
	DC1000V		20	50	50	50
	DC1200V			35	35	35
	DC1500V			20	20	20

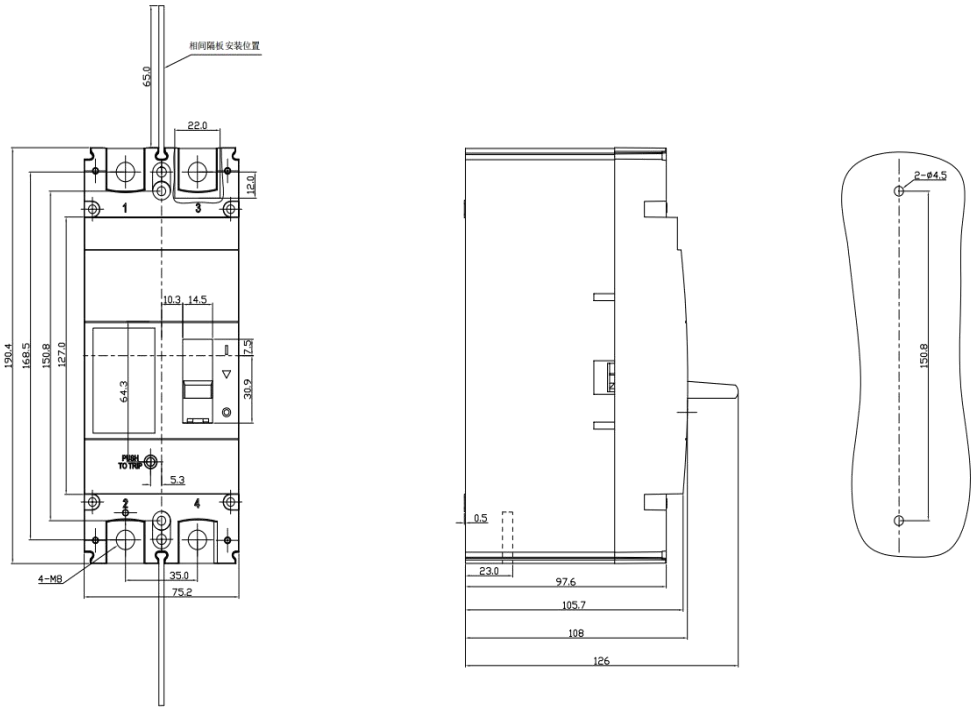
Main Parameter		DC-125	DC-250	DC-320	DC-400	DC-630
Electrical Endurance Cycle	Times	5000	2000	DC1000 V - 2000 DC1500 V - 1000	DC1000 V - 2000 DC1500 V - 1000	DC1000 V - 2000 DC1500 V - 1000
Mechanical Endurance Cycle	Times	10000	10000	10000	10000	10000
Pollution Degree	/	3				
Utilization Category	/	A				
Operating Temperature	℃	-35… +70				

PART NUMBER EXAMPLE

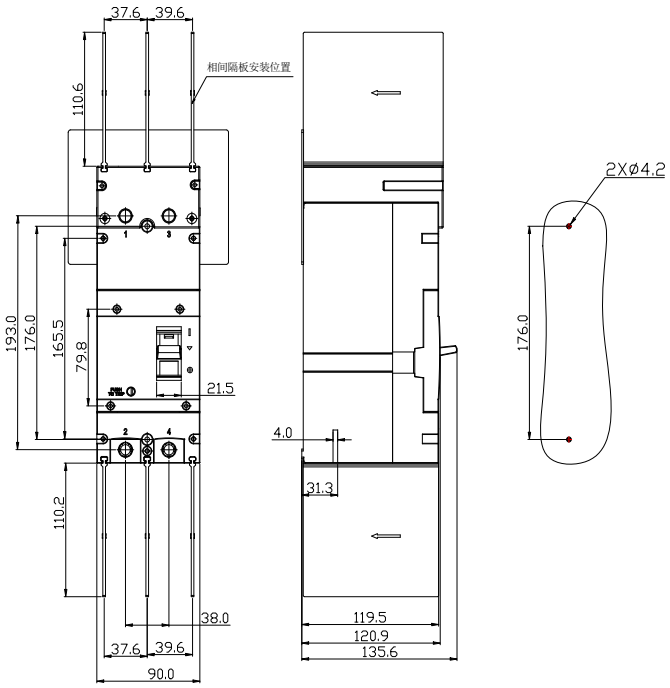
BASE NUMBER	FRAME SIZE	POLES	Rated current
ADM8	250	2P	250A
EXAMPLE	**ADM8-250DC-2250**		

OVERALL AND MOUNTING DIMENSIONS (mm)

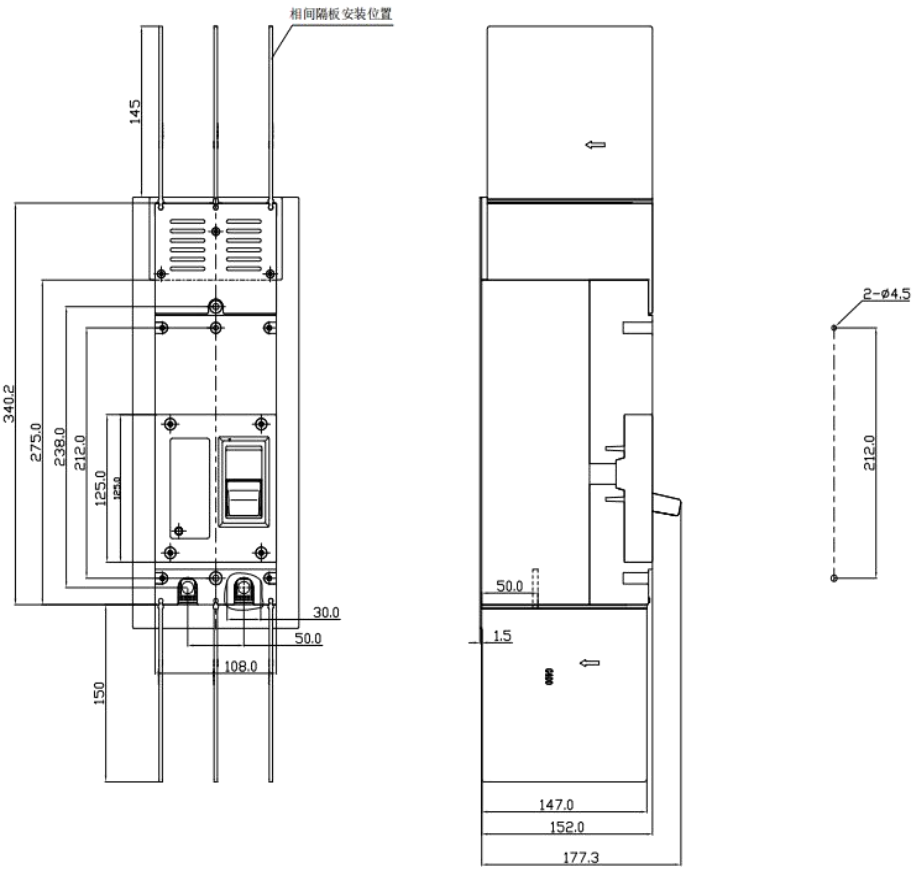
ADM8-250DC

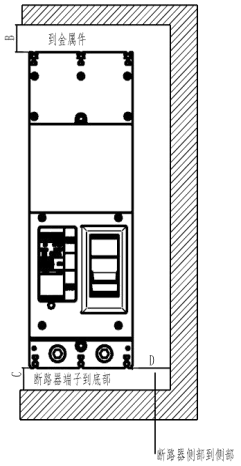


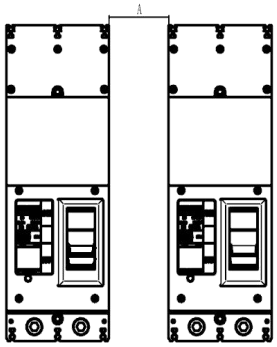
ADM8-320DC

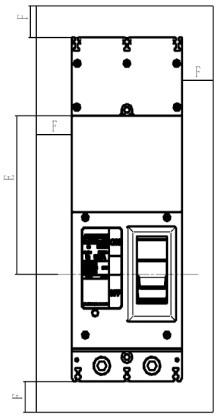


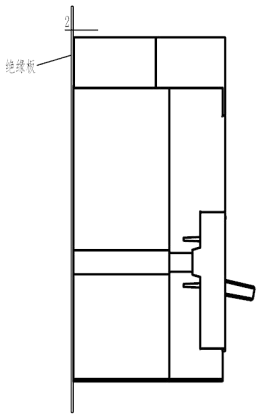
ADM8-400DC/ADM8-630DC











	A	B	C	D	E	F
ADM8-250DC	30	30	30	30		25
ADM8-320DC	30	30	30	30	93.8	25
ADM8-400DC ADM8-630DC	50	50	50	50	182.5	25

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TRIPPING CURVE

