

GDDCM1 Solar DC Moulded Case Circuit Breaker(DC MCCB)

● GDDCM1 series Moulded Case Circuit Breaker is designed to distribute power and protect the circuit and power equipment against overload in solar system. It is apply to rating current 800A or less, direct current rating voltage 1500V or less. Products according IEC60947-2 standard,



- In compliance with IEC/EN60947-2.
- With indicator function in the contact position.
- The circuit breaker can also be installed vertically or horizontally,

The main technical parameters

Type	GDDCM1-250		GDDCM1-315		GDDCM1-400	GDDCM1-630	GDDCM1-800
Rated Continuous Current	250A		315A		400A	630A	800A
Rated Current In (A)	63,80,100,125,140,160,180,200,225,250,		280,315,		225,250,315,350,400,	500,630,	700,800,
Rated Operating Voltage Ue (V) DC	1000V	1500V	1000V	1500V	1500V	1500V	1500V
Pole	2P	3P	2P	3P	2P/3P	2P/3P	2P/3P
Rated Insulation Voltage Ui (V)	1250V	1500V	1250V	1500V	1500V	1500V	1500V
Uimp (kV)	8kV	12kV	8kV	12kV	12kV	12kV	12kV
Rated ultimate short-circuit breaking capacity Icu (kA)	500V DC:50kA,1000V DC:20kA,1500V DC:20kA				500V DC:70kA,1000V DC:40kA,1500V DC:20kA		
Rated operating short-circuit breaking capacity Ics (kA)	Ics=100%Icu						
Mechanical Life	20000				10000	5000	
Electrical Life	500V DC:3000,1000V DC:20001500V DC:1500				500V DC:1000,1000V DC:1000,1500V DC:500		
Breaking Times (ms)	20						
Installation Location	Any place						
Isolator Capacity	Yes						
Standard	IEC/EN60947-2						
Temperature (°C)	-35°C~+70°C						
Protection Degree	IP20						
Accessory	OF/SD/MX						
Category of use	A						
Arcing Distance (mm)	≥50						
Accessories	Shunt striker, auxiliary contact, alarm device, manually operated mechanism, electrically operated mechanism.						
Size	200*73*135(2P)(L*W*H) 200*107*135(3P)(L*W*H)				270*130*156(2P)(L*W*H) 310*182*156(3P)(L*W*H)		

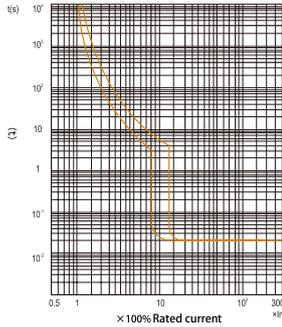


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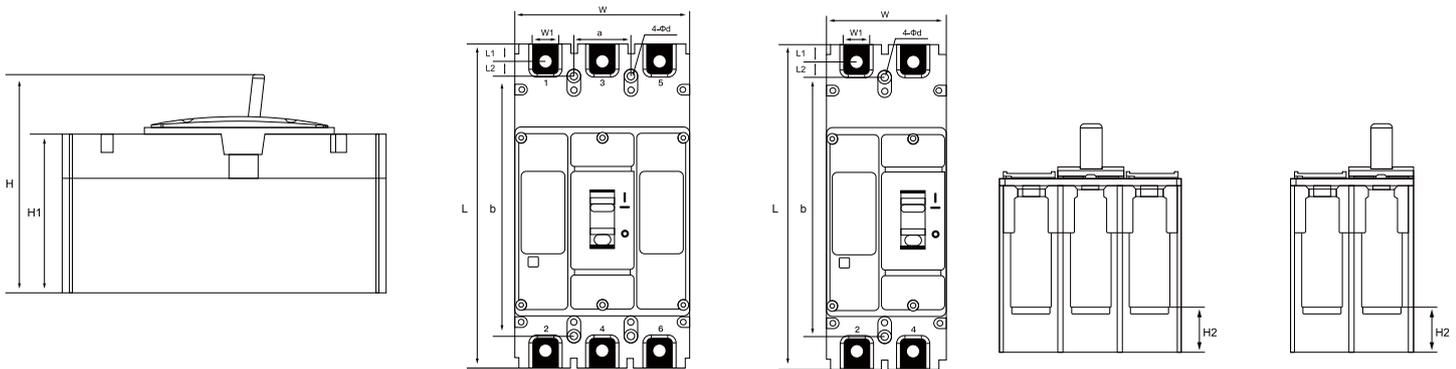
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Characteristic Curve



Size



Type	Size(mm)								Mounting Dimensions(mm)		
	L	W	H	L1	L2	W1	H1	H2	a	b	4-Φd
GDDCM1-250	200	2P:73 3P:107	135	10.5	9.5	22	98	26	35	160	-
GDDCM1-315	200		135	10.5	9.5	22	98	26	35	160	-
GDDCM1-400	2P:270 3P:310	2P:130 3P:182	156	18	18	40	118	29	58	200	-
GDDCM1-400			156	18	18	40	118	29	58	200	-
GDDCM1-400			156	18	18	40	118	29	58	200	-

Size

Rated Current In (A)	63	80	100	125/140	160	180/220/225	250	280/300/315	350/400	500/630	700/800
Cross-sectional area of conductor (mm ²)	16	25	35	50	70	95	copper row 20*5	copper row 20*5*2pcs	copper row 40*5	copper row 40*8	copper row 40*5*2pcs