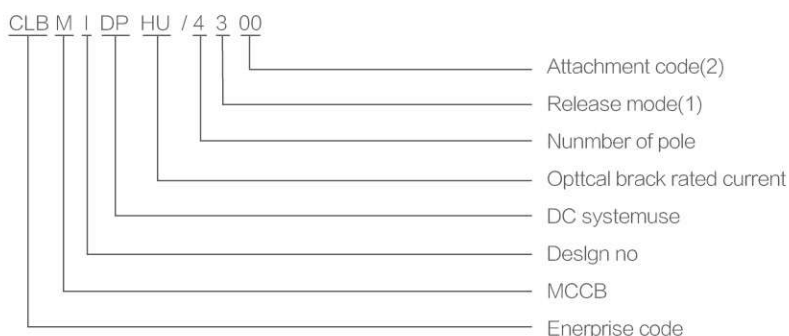


CLBM1-1500V DC MOULDED CASE CIRCUIT BREAKER



- 1:Tripping type:
- 2:08-Alarm contacts 10-shunt trip 20-Auxiliary contact
- 20-Auxiliary contact、Alarm contacts
- 3:thermal-electromagnetic trip

Work environment

- Generally, the elevation does not exceed 2000m. When the elevation exceeds 2000m, it shall be modified according to the parameters in table 5.
- ambient air temperature: normal use of the surrounding air temperature does not exceed 70 °C , ambient air temperature limit - 35 °C .When the air temperature exceeds the normal range, the rated working current can be modified according to the parameters in table 4.
- humidity: ambient temperature under the condition of + 40 °C , air relative humidity is not more than 50%, such as the temperature is reduced, can be used in high humidity conditions.The average monthly relative humidity in the wettest month is 90%.
- installation categories: categories for III main circuit installation, auxiliary circuit, control circuit for II ;
- pollution level: level 3;
- the biggest Angle: 22.5 ° ;
- where there is no explosive hazard in the medium, and the medium is not sufficient to corrode the metal and destroy the insulating gas and conductive dust;
- where there is no rain or snow.

Mode and attachment code

- release model number and its meaning;
- 300: represents the circuit breaker body with thermal-electromagnetic tripping device.
- annex codes are shown in table 1

Number of Name	No have	Alarm contact	Shunt strip	Auxiliary Contact	Auxiliary contact,alarm contact
Attachment code	200,300	208,308	210,310	220,320	228,328

Technical Date

5.1 Technical Date table 2.

Type	CLBM1DP-250HU4P	CLBM1DP-400HU4P
Shell bracket class current I_{nm} (A)	250	400
Rated current I_n (A)	100,125,160,200,225,250	200,250,315,350,400
Rated working current U_e (V)	DC1500V	DC1500V
Rated insulation current U_i (V)	DC1500V	DC1500V
Arcing distance (mm)	100	
Impulse withstand voltage U_{imp} (V)	8000	
Number of pole	4	
Limit short circuit breaking capacity (kA) I_{cu}	15	
Motion short circuit breaking ability(KA) I_{cs}	15	
Operating performance	Mechanical life	4000
	Electrical life	500

5.2.1 Protective properties

Circuit breaker thermodynamic tripping device has inverse time characteristic,

The delay characteristics are shown in table3

The serial number	Rated current I_n (A)	Name of test current	I/I_n	Agreed time	Starting time
1	$250 < I_n \leq 400$	No trip current	1.05	$\geq 2h$	Cold
2	$250 < I_n \leq 400$	Trip current	1.3	$< 2h$	Following the serial number 2 After the experiment

5.2.2 Protection instantaneous adjustable range: $6I_n$ with accuracy of 20%.

5.2.3 Factory default setting is $1I_n$.

5.3 Rated current (A) : 250, 315, 350, 400;

5.4 bracked level current (A) : 400;

5.5 The change of ambient air temperature on the tripping characteristic is modified as table4 ;

Ambient air temperature	40℃	45℃	50℃	55℃	60℃	65℃	70℃
Temperature correction factor	1	0.982	0.963	0.944	0.924	0.904	0.882

5.6 when the environment temperature of 40℃, the sea dials high more than 2000 meters, considering the insulation characteristics of air and cooling capacity, tripping characteristics will have change, should be corrected, Shown in table.

Either altitude height(M)	2000	2500	3000	3500	4000	4500	5000
Working current correction factor(40℃)	I_n	I_n	$0.98I_n$	$0.97I_n$	$0.96I_n$	$0.95I_n$	$0.94I_n$
Working voltage correction factor	U_e	U_e	$0.9U_e$	$0.83U_e$	$0.8U_e$	$0.67U_e$	$0.63U_e$
Power frequency voltage correction factor	U	U	$0.89U$	$0.85U$	$0.80U$	$0.77U$	$0.73U$

6. Installation of circuit breaker

6.1 in-line mode: upper in-line or lower in-line can be adopted, which will not affect the normal use of the product and will not reduce capacity.

6.2 fixation mode: fixed fixation mode. Base plate, hollow plate, guide rail.

7. Outline and mounting dimensions.