

**HMCCB2 塑壳断路器 MOULDED CASE CIRCUIT BREAKER****产品特点 Features**

1. 断路器采用新型灭弧技术和限流原理，不同的分断级别断路器（L、M、H），分断能力提高了一个等级。
2. 热磁型脱扣器可实现热磁可调，现场可整定过载，瞬时时的动作值。过载保护调节范围（0.8-0.9-1.0）In；瞬时保护调整范围，配电型断路器为（5-6-7-8-9-10）In，电动机型断路器为（10-12-14）In。
3. 智能型脱扣器具有过载长延时、短路短延时（可开启/关闭）、短路瞬时的三段保护功能，并具有接地故障（可开启/关闭）、热模拟（可开启/关闭）保护功能，预报警（可开启/关闭）功能，电动机断路器还具有不平衡保护功能（可开启/关闭）。面板液晶显示清晰、直观、并可实现多种调阅、检查、整定等功能。
4. 具有模块化通信功能，通过加装通信模块即可方便升级为通信型断路器
5. 断路器闭合时或在运行时，遇短路大电流，由后备磁脱扣实现快速脱扣，限制了短路电流，并确保断路器可靠分断。
6. 断路器加装零飞弧罩，可轻松实现零飞弧。

**断路器的分类 Classification of circuit breaker**

按接线方式分为板前接线、板后接线、插入式接线3种。

按过电流脱扣器型式分热磁型脱扣器及智能型脱扣器两大类；

热磁型脱扣器又可分为瞬时脱扣器、复式脱扣器（瞬时脱扣器和热动脱扣器）两种。

1. Circuit breaker with new technologies and limiting principle, the different circuit breaker(L, M, H) of different breaking-level ,breaking capacity to improve a grade.
2. Thermal magnetic type release can realize thermal magnetic adjustable , setting overload by scene and the value of instantaneous action.Overload adjustment range (0.8-0.9-1.0) In; transient protection adjustment range, distribution circuit breaker for the (5-6-7-8 -9-10) In, motor type circuit breaker (10-12-14 ) In.
3. Intelligent circuit breaker have long delay with overload, short delay with short circuit (which can be on/off), three-paragraph short circuit transient protection, and have ground fault (which can be on/off), thermal simulation protection (which can be on/off ), pre-alarm function (which can be turned on / off), motor circuit breaker also has an imbalance protection (which can be on/off). Panel liquid crystal display clear 、 intuitive, and can achieve a variety of pick up to read, inspection, setting and other functions.
4. Has a modular communication functions, by installing communication modules can be easily upgraded to a communication circuit breaker
5. When the circuit breaker at closing time or at run time meet a large current ,can release from reserve magnetic release quickly .It can limit the short circuit current and ensure circuit breaker breaking reliably.
6. Breaker cover installation of zero arc can easily achieve zero arc.

There are three mode of connection: pre-wiring board, after the wiring board and plug-in terminal.

Took the current type of sub-thermal magnetic tripping device type Release and Intelligent Release two categories;

Release thermal magnetic type can be divided into two:instantaneous release and double-Release (instantaneous Release and Thermal Release) .



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■ 断路器主要技术性能指标 Main circuit breaker performance

壳架等级额定电流 I <sub>me</sub> (A)	125			225			400			630		
Frame degree rated current I <sub>me</sub> (A)	125			225			400			630		
型号 type	HMCB2-125L	HMCB2-125M	HMCB2-125H	HMCB2-225L	HMCB2-225M	HMCB2-225H	HMCB2-400L	HMCB2-400M	HMCB2-400H	HMCB2-630L	HMCB2-630M	HMCB2-630H
额定电流 I <sub>n</sub> (A)	16, 20, 25, 32, 40, 50, 63, 80, 100, 125			125, 140, 160, 180, 200, 225			250, 315, 350, 400			400, 500, 630		
额定电流 I <sub>n</sub> (A)	16, 20, 25, 32, 40, 50, 63, 80, 100, 125			125, 140, 160, 180, 200, 225			250, 315, 350, 400			400, 500, 630		
整定电流调节范围 I <sub>n</sub> (A)	(0.8-0.9-1.0)I <sub>n</sub>			(0.8-0.9-1.0)I <sub>n</sub>			(0.8-0.9-1.0)I <sub>n</sub>			(0.8-0.9-1.0)I <sub>n</sub>		
Setting current adjustment range I <sub>n</sub> (A)	(0.8-0.9-1.0)I <sub>n</sub>			(0.8-0.9-1.0)I <sub>n</sub>			(0.8-0.9-1.0)I <sub>n</sub>			(0.8-0.9-1.0)I <sub>n</sub>		
极数 poles	3			3			3			3		
额定绝缘电压 U <sub>i</sub> (V)	AC800			AC800			AC800			AC800		
Rated insulation voltage U <sub>i</sub> (V)	AC800			AC800			AC800			AC800		
额定冲击耐受电压 U <sub>imp</sub> (V)	8000			8000			8000			8000		
Rated impulse withstand voltage U <sub>imp</sub> (V)	8000			8000			8000			8000		
额定工作电压 U <sub>e</sub> (V)	AC400			AC400			AC400			AC400		
Rated voltage U <sub>e</sub> (V)	AC400			AC400			AC400			AC400		
电弧距离(mm)	≥50(0*)			≥50(0*)			≥100(0*)			≥100(0*)		
Arcing distance(mm)	≥50(0*)			≥50(0*)			≥100(0*)			≥100(0*)		
额定极限短路分断能力 I <sub>cs</sub> (kA)	AC400V			AC400V			AC400V			AC400V		
Rated ultimate short circuit breaking capacity I <sub>cs</sub> (kA)	AC400V			AC400V			AC400V			AC400V		
额定运行短路分断能力 I <sub>cs</sub> (kA)	AC400V			AC400V			AC400V			AC400V		
Rated short-circuit breaking capacity to run I <sub>cs</sub> (kA)	AC400V			AC400V			AC400V			AC400V		
操作性能(次)	1500			1000			1000			1000		
Operational performance (times)	1500			1000			1000			1000		
通电 power	8500			7000			4000			4000		
不通电 No power	8500			7000			4000			4000		

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