



Remote control opening and closing, automatic reclosing



APP control, data query



Stable performance, safe and reliable



Metering, Protection, Early Warning

Application scenarios

Electricity Protection, Sustainable Electricity



Electrified railway station as power supply, transportation power distribution system, highway electromechanical system



Smart mining, factory electricity, base station

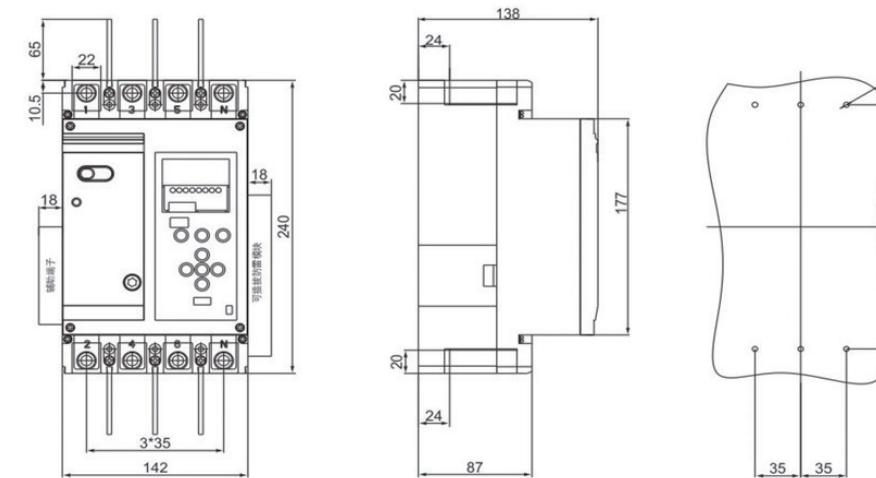


Environmental Monitoring Station, Remote Irrigation, Smart Greenhouse

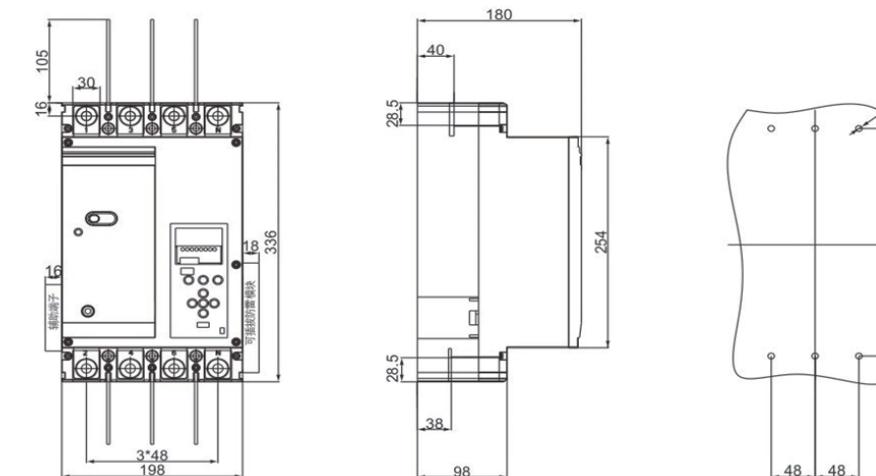
Product Details

Brand	Matis	Leakage type	A/AC
Name	Smart Molded Case Circuit Breaker	Warranty	1 year
Model	MT88M	Leakage adjustable	30,100,300MA
Current	125A,250A,400A,630A	Pole(s)	3P+N

Dimensions



MX88M-250CY



MX88M-400CY/MX88M-630CY

MT88M technical parameters

Product model	250A	400A	630A		
Electrical Characteristics					
Frame current (A)	250	400	630		
Poles					
Rated Voltage (V)	3P+N				
Rated Insulation Voltage (V)	AC 400 50HZ				
Rated impulse withstand voltage Uimp (V)	AC 1000				
Arc distance (mm)	≥50	≥100	≥100		
Ultimate short-circuit breaking capacity Icu (kA)	50	72	70		
Operating short-circuit breaking capacity Ics (kA)	35	50	50		
Rated residual short-circuit making (breaking) capacity IΔm (kA)	12.5	20	20		
Residual current operating characteristics	AC type				
Rated residual operating current IΔn (mA)	30/50/75/100/200/300/500/800/1000/Auto				
Residual action time characteristics	Delay type/Non-delay type				
Delay type limit non-driving time (s)	0.06/0.1/0.2 Optional: 2 IΔn See residual current protection characteristics for details				
Operational performance (times)	Power on	1000	1000		
	No power on	7000	4000		
	Total times	8000	5000		
Overload and short circuit characteristics		Three-stage protection, electronically adjustable, see "Protection Characteristics Description" for details			
Overvoltage protection value (V)		Setting value (265~350V)			
Undervoltage protection value (V)		Setting value (100~200V)			
Phase loss protection value (V)		Setting value (10~100V)			
Function description					
automatic reclosing	●	●	●		
Leakage Protection	●	●	●		
safety padlock	●	●	●		
The leakage value is adjustable	●	●	●		
Environment Characteristics					
Work Temperature	-25°C~+55°C				
Storage Temperature	-40°C~+70°C				
Relative humidity (non-condensing)	5%~95%				
highest altitude	2000 m				
Protection class	IP20				
Metering, control, automatic reclosing					
poles	communication method	Frame current range			
		40~125A			
		100~250A			
		200~400A			
		315~630A			

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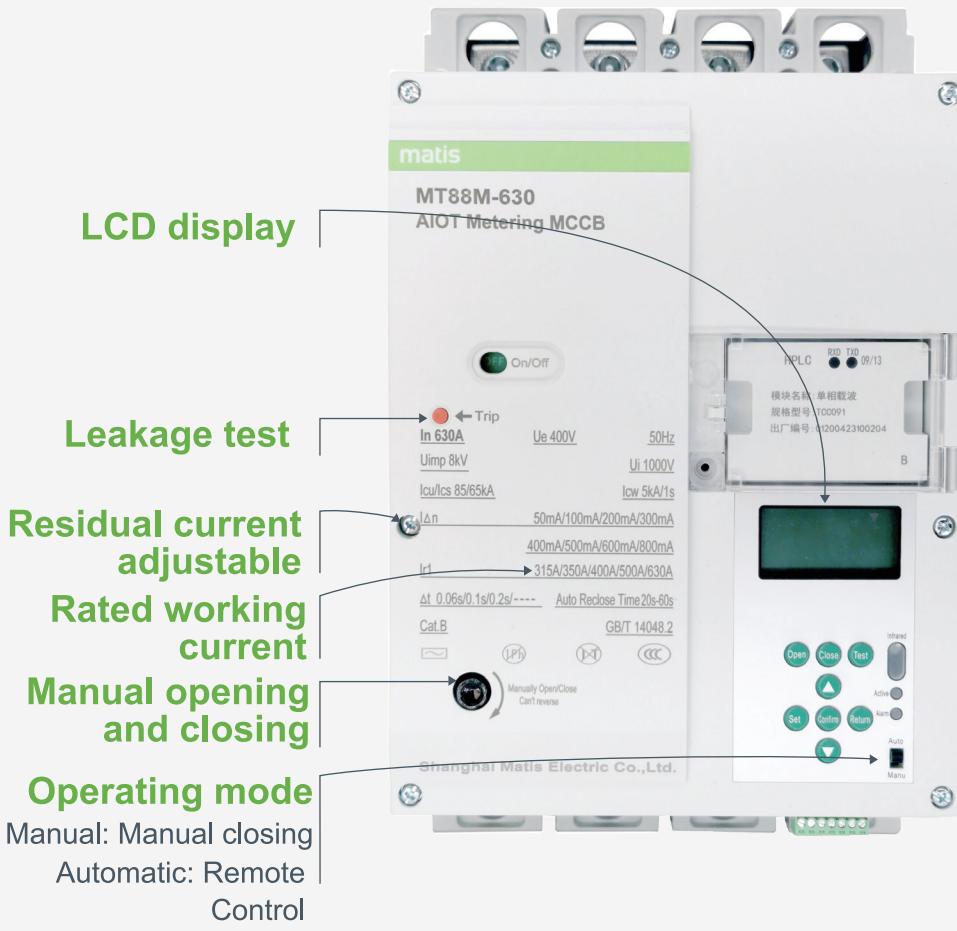
Intelligent Molded Case Circuit Breaker iMCCB MT88M

Power on with intelligence, safer and more efficient



MT88M Intelligent Molded Case Circuit Breaker

MT88M is an innovative power IoT high current metering molded case circuit breaker. It integrates a multifunction meter and a molded case circuit breaker. Realize protection, metering, monitoring, control and device management through APP and software platform.



With smart gateway MT88C

MT88C is an intelligent acquisition module, which transmits the collected data to Matis software platform or third-party platform through unlimited GPRS or Ethernet. The device has edge computing capabilities and storage capabilities.



way of communication

- > RS485, HPLC
- > 4G, RJ45 gateway can be reconfigured to realize communication mode



Protective function

- > All-round protection and high breaking capacity ensure the reliability of line protection.
- > The residual current gear is adjustable, and the protection function and parameters can be set and modified online.



Integrate intelligent collection, analysis and management

I/O control

MT88M is in the non-safety lock working mode, the device is connected to the power supply, the device is in the open state, and the dry contact can be used for remote control to control the opening and closing of the device.

RS485 and Modbus control

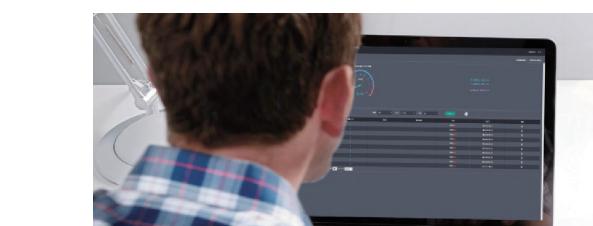
MT88M is in the non-safety lock working mode, connect the device to the power supply, and the device is in the open state.



multi-protocol control

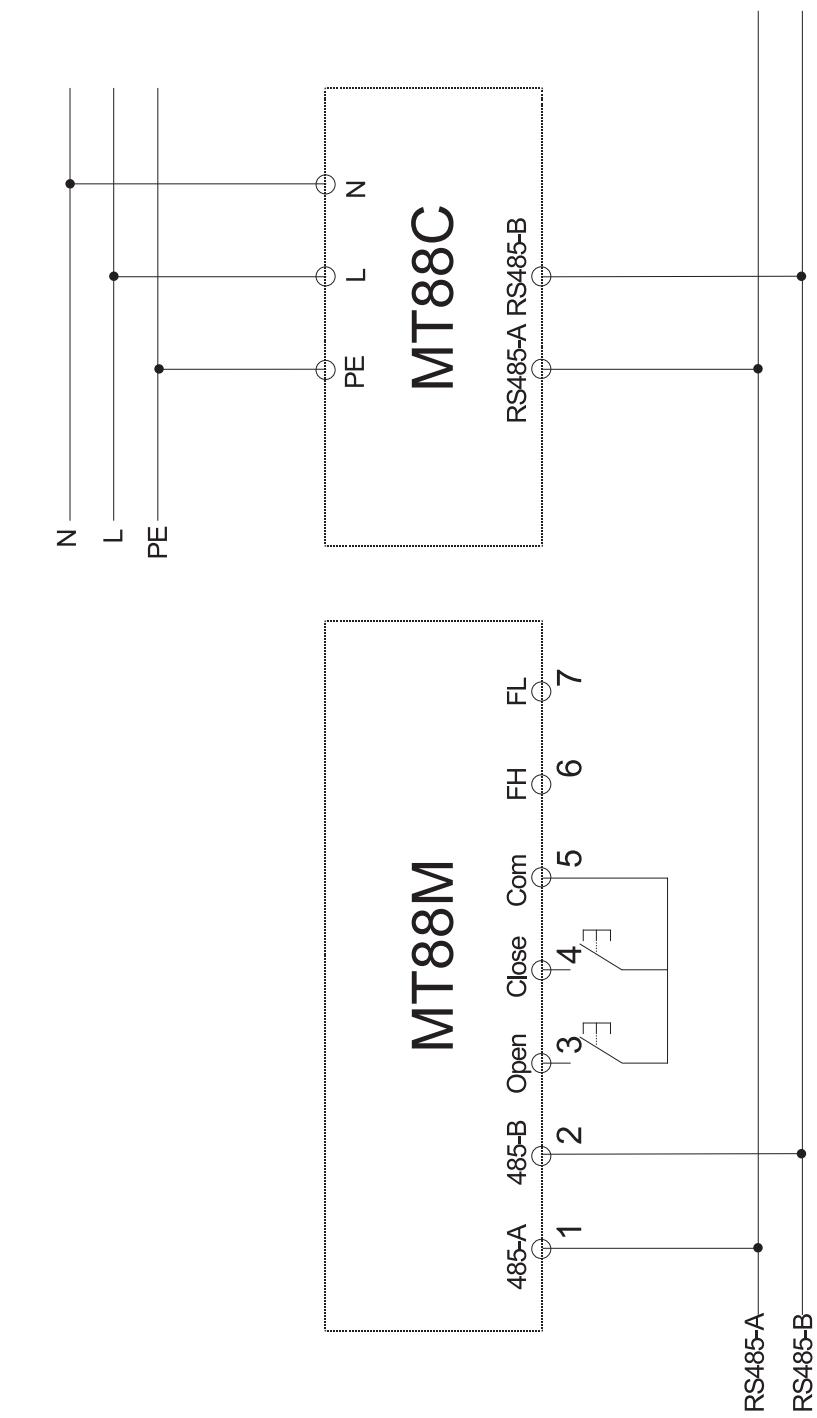
- > Support DL/T645 protocol and Modbus protocol
- > Support online remote upgrade, easy to maintain and upgrade

Platform features



- > Prepaid Management System
- > Equipment Load Analysis
- > Malfunction and accident warning
- > Device management
- > remote control
- > Energy analysis

MT88M and communication gateway wiring diagram



Note: COM port and OPEN, CLOSE port are passive interfaces. OPEN and CLOSE are a group of passive nodes that switch to each other. When CLOSE is closed, closing is performed; when OPEN is closed, opening is performed