



Sustainable power



Simple assembly and convenient construction



Self-resetting overvoltage and undervoltage protection



Leakage prevention and protection

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

Technical parameter

TYPE	MT61SR-2P	MT61SR-4P
		
Electrical Characteristics		
Standard	TT - TN - S	
Power Distribution System	230V/400V AC	
Rated Voltage(Ue)	85% Ue	
Min Rated Voltage(Min Ue)	110% Ue	
Max Rated Voltage(Max Ue)	500V	
Rated Insulation Voltage(Ui)	2500 AC for 1 minute	
Diaelectric Strength	4kV	
Rated Withstand Voltage(Uimp)	III	
Over-voltage Category	6kA (Parameters of relevant circuit breaker)	
Rated short circuit capacity (ICS)	6kA (Parameters of relevant circuit breaker)	
Operating short circuit capability (ICS)	3	3
Static Power	20	20
Power of auto reclosing		
Circuit breaker parameters		
poles	2	4
MCB Type	2P - 4P C - D	
RCBO Type	2P - 4P C - D Type A	
Rated current (In)	25A - 40A - 63A	
Rated residual operating current (IΔn)	30mA - 100mA - 300mA - 500mA	
Leakage making and breaking capacity (IΔm)	IΔm of the relevant circuit breaker	
Rated condition residual short-circuit current (IΔc)	IΔc of the relevant circuit breaker	
Mechanical Characteristics		
The Width of DIN Module	2	2
Reclosing Time Interval	5s - 20s - 60s	
Max Operation Frequency	30/h	
Maximum mechanical durability (total number of operations)	10000	
Max. Auto Redose Cycle	3	
Counter reset time number Continuous recloser operation	60s	
Terminal Part of Breaker	Soft Cable:≤16 mm2 hard wire:≤25 mm2	
Installation location	any	
Protection Grade of Circuit Breaker	IP20 (Inside the cabinet) - IP40 (Outside the cabinet)	
Enviroment Characteristics		
Pollution Grade	2	
Work Temperature	-25°C +60°C	
Storage Temperature	-40°C +70°C	
Relative Humidity	55°C - RH 95%	
Input IO control: ON/OFF		
control type	yes	
Auxiliary Type	Passive	
Auxiliary Contact Characteristics		
Contact Type	Electronic Relay	
Operation mode	No / COM as circuit breaker status output	
Rated Voltage	250VAC	
Frequency	2A 250VAC	
Cable Connection	≤ 2.5mm2	
Rated Tightening Torque	0.4	
Operating mode		
Closed status	Green light is on	
Open status	Red light is on	
Padlock status	Yellow light is on	
Fault opening	Red light flashing	
Enter recovery state	Green light	
Self-resetting overvoltage and undervoltage protection		
Overvoltage action value	≥275v -- 5s ≥300v -- 1.5s ≥350v -- 0.3s ≥400v -- 01s	
Overvoltage recovery value	255v	
Undervoltage action value	≤160v -- 3s	
Undervoltage recovery value	195v	
Auto Reclose Function		
Overvoltage and undervoltage automatic reclosing	●	●
Earth Fault Test		
Earthleakage protection	●	●
Signal of Redosing	●	●
Fault Signal Indicator	●	●
Function of Auto / Manual	●	●
Auxiliary Contact for Remote Operation	●	●
Internal Electrical Protection	PTC	PTC

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AloT Electric



MT61SR series intelligent remote control device

Power on with intelligence, safer and more efficient.



MT61SR intelligent remote control device

MT61SR intelligent remote control self-resetting over and under voltage protector has the following functions:

- > It can be judged whether the device is manually opened or overcurrent tripped
- > And multi-mode in one, easy to use; physical locking of reclosing equipment;
- > With self-reset over and under voltage protection function
- > Safe operation on site with padlock attachment
- > The use of inner shaft drive can effectively ensure the reliable and synchronous closing of the circuit breaker
- > The front window indicates the working status of the product

LED indication

Steady red light: closed state, normal operation
Flashing red: waiting for closing
The blue light is always on: the locked state will not reclose

LCD screen

function button

confirm 
down 
return 

Leakage test button

Safe operation lock

Intelligent reclosing device

MT61SR is an intelligent reclosing mechanism with self-reset overvoltage and undervoltage protection, dry contact control, RS485 control, and leakage detection functions.



Leakage Protection

Leakage optional 30mA, 100mA, 300mA

Self-resetting overvoltage

Overvoltage trip, undervoltage trip, voltage recovery automatic reclosing

Overvoltage trip

Overvoltage recovery 255v

$\geq 275V$

O/V

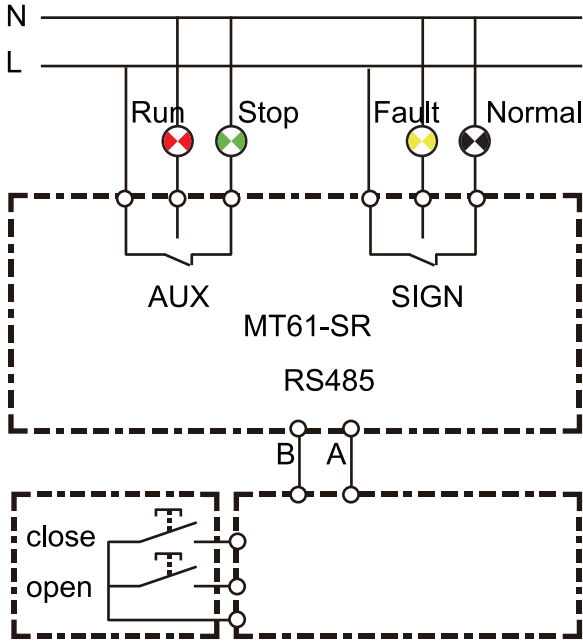
Undervoltage trip

Undervoltage recovery 195v

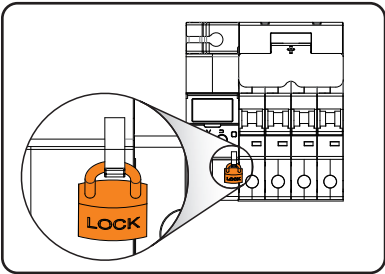
$\leq 160V$

U/V

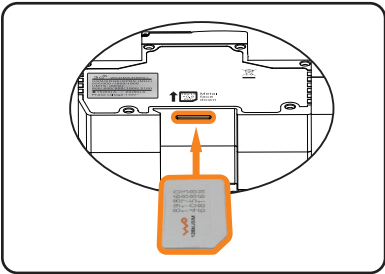
Wiring diagram



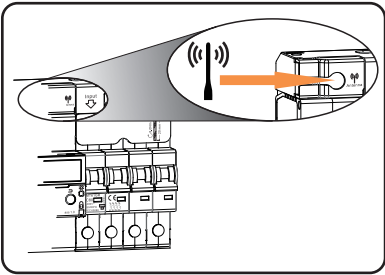
Installation guide



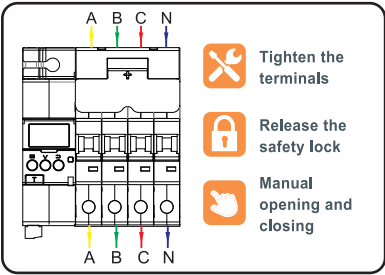
- > This product must be installed by an authorized electrician.
- > Before installation, pull out the safety lock to avoid electric shock



- > Insert the SIM data card (12X15X0.8MM) at the bottom and be sure to cut off the power before operation, otherwise the device will be damaged. (Currently supports China Mobile and China Unicom)



- > Open the antenna cover and tighten the terminals. (Standard version has no antenna)



- > Tighten all incoming and outgoing wire terminals, release the safety lock, and manually switch on and off once.

Dimensions

