



Remote Control



Tuya APP to Read the Reclosing Status



Reliable and Safe (external attachment, does not affect the main circuit)



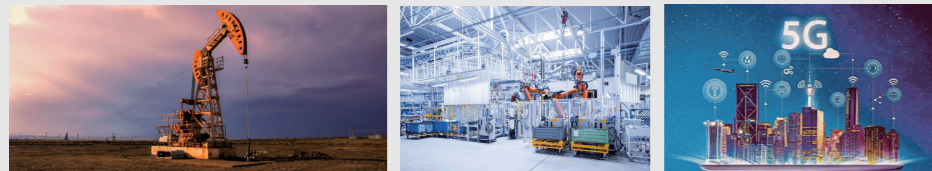
Sustainable Power Supply

Application Scenarios

Electricity protection and sustainable power consumption



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



Intelligent mining, factory power consumption, and base station



Environmental monitoring station, remote irrigation, smart greenhouse

Technical Parameter

Electrical Characteristics		
Standard:		EN50557
Power Distribution System:		TT-TN-S
Rated Voltage (Ue):	(V)	230AC(1)
Minimum Voltage (minimum Ue):	(V)	85%Ue
Maximum Voltage (maximum Ue):	(V)	110%Ue
Rated Insulation Voltage (Ui):	(V)	500
Inter-polar Dielectric Strength Test Voltage:	(V)	2500ACfor1minute
Rated Impulse Withstand Voltage (Uimp):	(kV)	4
Overtoltage Type:		III
Rated Frequency:	(Hz)	50
Leakage Making/Breaking Capability (I m):	(A)	I m of related circuit breakers
Rated Condition Residual Short Circuit Current (I c):	(A)	I c of related circuit breakers
Poles:		2 4
MCB Type:		1P-2P-3P-4P
RCCB Type:		AC-A-A[IR]-A[S]
RCBO Type:		
Rated Current (In)	(A)	25-40-63-80-100
Rated Residual Operating Current (I n)	(mA)	30-100-300-500
Rated Non-operating Resistance Between the Live Part and Ground(Rdo):	(k)	8(30mA)-2.5(100/300/500mA)
Rated Operating Resistance Between the Live Part and Ground(Rd):	(k)	16(30mA)-5(100/300/500mA)
In Power Loss:	(W)	Power loss of related circuit breakers
Static Power:	(VA)	1
Power During Automatic Reclosing:	(VA)	20 20
Mechanical Characteristics		
Width in the DIN Module:		1 1
Reclosing time:	(s)	10-60-300
Maximum Operating Frequency:	(oper./h)	30
Maximum Mechanical Durability (Total Number of Operations):		10000 1
Maximum Number of Continuous Auto-reclosings:		3
Counter Reset Time Number Continuous Auto-reclosings:	(s)	60
Circuit Breaker Terminal Section:	(mm ²)	Soft wire: ≤1x35-≤ 2x16-≤ 1x16+2x10
Circuit Breaker Rated Tightening Torque:	(Nm)	3(IDP)-2(IDPNA)
Installation Location:		any
Protection Grade:		IP20(outside the cabinet)-IP40 (inside the cabinet)
Environmental Characteristics		
Pollution Level:		2
Working Temperature:	(°C)	-25+60 -25+60
Storage Temperature:	(°C)	-40+70
Relative Humidity:		55°C-RH95%



WiFi Remote Control Device MT53RW Series

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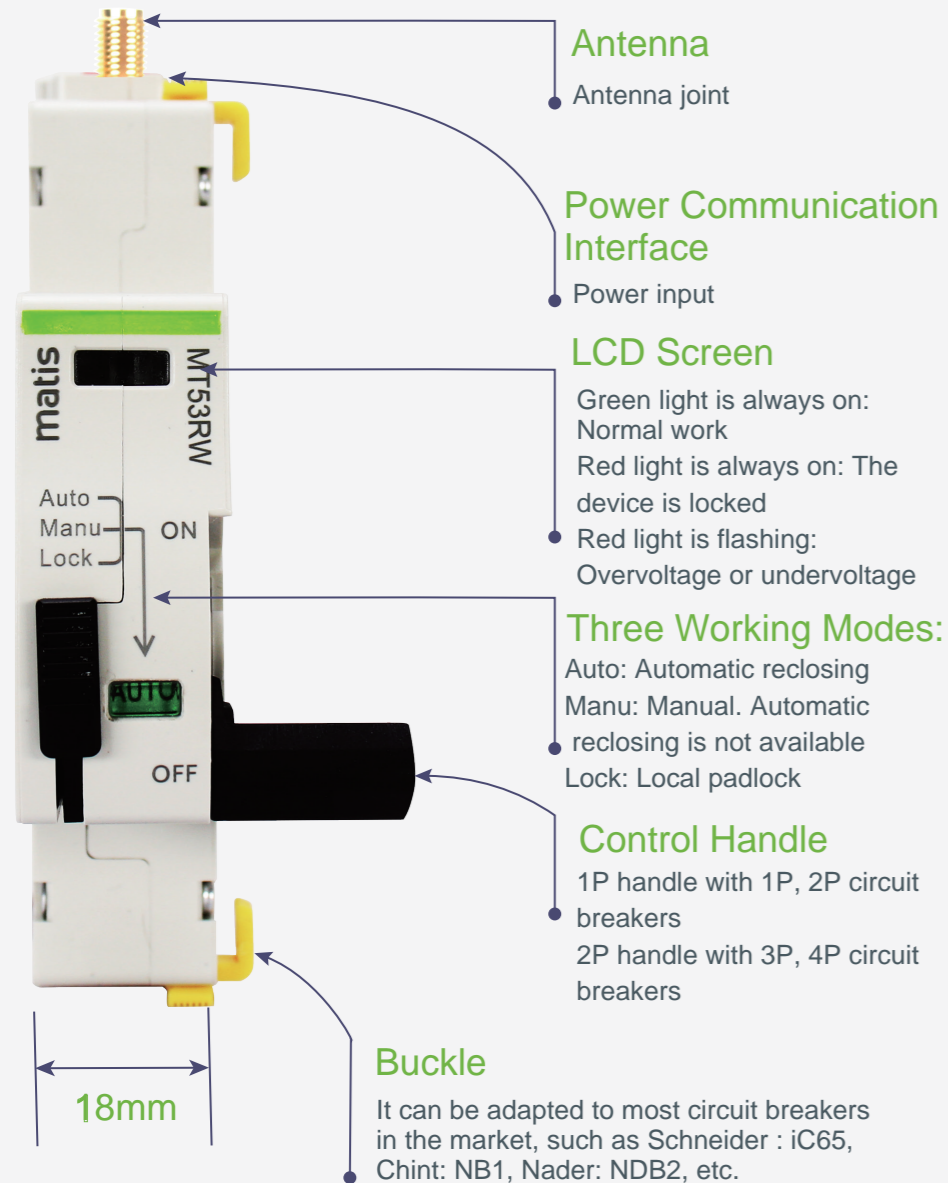


WiFi Remote Control Device MT53RW

MT53RW remote control device can realize the following functions:

The circuit breaker can be opened and closed remotely, and it can be equipped with residual current action protection devices or other electrical devices

- Reset tripped circuit breakers in compliance with current safety regulations
- Local control of the circuit breaker is available with the help of a handle
- Safe operation on site is ensured by padlocking the device



Two Operations for Option after the Circuit Breaker Trips:

- AUTO mode: Remote reset is permitted
- MANU mode: Remote reset is inhibited

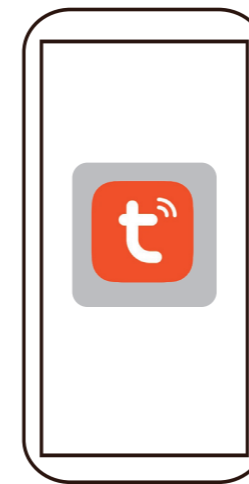
WiFi Remote Control to Ensure Continuous Power Supply

Recloser Control Mechanism

MT53RW remote control mechanism series is a compact control unit with a width of only 18mm, which can be adapted to the MCB&RCCB of many manufacturers such as Schneider, Nader, Chint and so on on the market.

WIFI Control

MT53RW is in Auto mode, and the device is connected to the power supply. You can connect the device to WIFI and use the [Tuya] APP for remote control to control the opening and closing of the device.



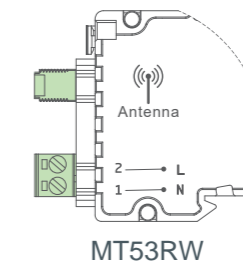
More Flexibility to Match

It can be adapted to 1P, 2P, 3P, and 4P circuit breakers.

Device Adaptation

Circuit Breaker Models	MCB		RCD		RCBO				
	1P/2P	3P/4P	2P	4P	1P	2P	3P	3P+N	4P
MT53RW-1N	✓		✓		✓	✓			
MT53RW-2N		✓		✓			✓	✓	✓

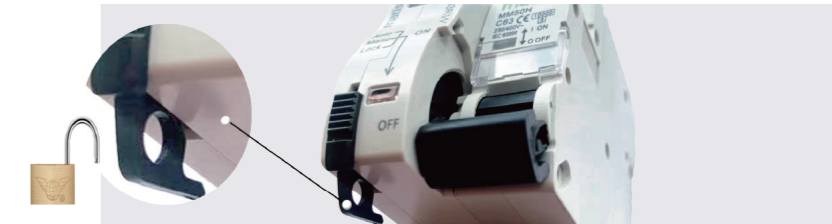
Terminal Diagram



Terminal	Description
L	Live line L
N	Neutral line N
Antenna	Wifi installation point

Local Padlock

Safety locking. MT53RW series has a mechanical padlock mechanism. Adjust the working mode to padlock mode to realize local locking to ensure that the operator can access the maintenance work in a safe status.



Dimensional Drawing

