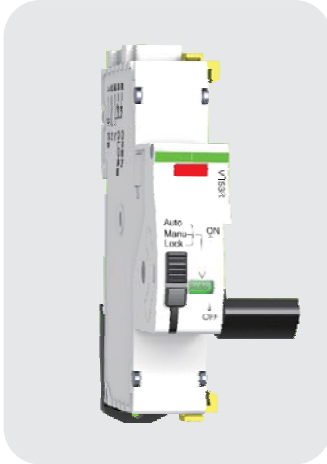


MT53R & MT53RS recloser & operator



Application

MT53R is a compact module to work together with MCB, RCD, RCBO to communicate with the control station, either to trip or reclose the breaker, based on the signal exchanged with each other.

It is widely used in power terminal is power grid, such as meter box, PV switchgear, smart electrical appliance. etc.

It owns advantage of compact size, reliable function, trip and reclose fast, both auto and manu operation. It will feedback status with signal automatically when the line is faulty

Technical Data

- ◆ **Module:** 1P, 18mm
- ◆ **Rated Voltage:** 230VAC/50Hz
- ◆ **Reclosing time(S):** $\leq 1.5S$
- ◆ **Time delay (S):** $\leq 3S$
- ◆ **Power consumption:** $< 0.5VA$
- ◆ **Mechanical life:** 10000
- ◆ **Electrical life:** 4000
- ◆ **IP grade:** IP20
- ◆ **Compatible:** MM50H, ML50H, MRO50, MR50, and accessories
- ◆ **Temperature:** $-25^{\circ}C \sim 60^{\circ}C$

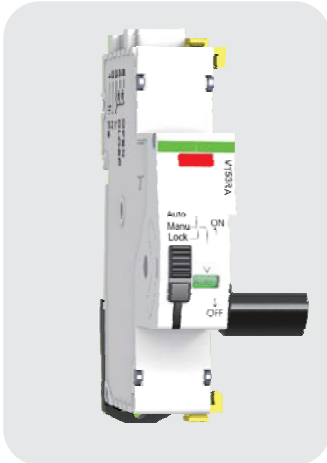
Communication Port

MT51R: remote auxiliary contacts NO & NC

MT51RS: RS485 communication port



MT53RA auto recloser



Application

MT53RA is a compact module is designed to meet the needs for availability and strong continuity of service (eg telecommunication towers, traffic lights, etc.)

It owns advantage of compact size, reliable function, trip and reclose fast, both auto and manu operation. It allows remote control opening and closing of MCB, RCCB, and RCBO, indication of their states, automatic reset, etc.

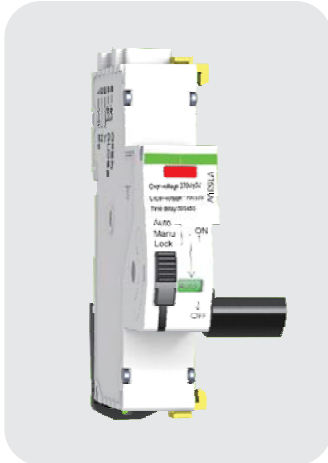
The trip time is setup without adjustment during production

Technical Data

- ◆ **Module:** 1P, 18mm
- ◆ **Rated Voltage:** 230VAC/50Hz
- ◆ **Reclosing time(S):** $\leq 3S$
- ◆ **Time delay (S):** $\leq 1.5S$
- ◆ **Power consumption:** $< 1.5 VA$
- ◆ **Trips:** 3 times
- ◆ **Trips time duration:** 10-60-300S
- ◆ **Compatible:** MM50H, ML50H, MRO50, MR50, and accessories
- ◆ **Mechanical life:** 8000
- ◆ **Electrical life:** 6000



MT53UV over/under voltage auto protector



Application

MT53UV works together with MM50H. It owns automatic voltage detector that will protect circuit, either when it is over-voltage or under-voltage. It will reclose automatically as soon as the circuit returns normal voltage. This is a very perfect solution to real circuit fluctuates, as it is small size, and MCB is really reliable.

MT53UV will only trip when voltage is abnormal, however, it won't trip or reclose when MCB tripped due to overload or short-circuit faulty.

MT53UV may also work with all our MX accessories, such as MX50U, which is under-voltage protection auxiliary. They can be applied together for PV system.

Technical Data

- ◆ **Module:** 1P, 18mm
- ◆ **Rated Voltage:** 230VAC/1P,2P; 400VAC/3P,4P
- ◆ **Under-voltage(V):** $170 \pm 5V$ (Phase Voltage)
- ◆ **Under voltage(V) to Reclose:** $190 \pm 5V$ (Phase Voltage)
- ◆ **Over-voltage(V):** $270 \pm 5V$ (Phase Voltage)
- ◆ **Over voltage(V) to Reclose:** $250 \pm 5V$ (Phase Voltage)
- ◆ **Time delay to reclose(S):** $60 \pm 5S$
- ◆ **Reclosing time(S):** $\leq 0.5S$
- ◆ **Electrical life:** 8000
- ◆ **IP grade:** Ip20
- ◆ **Compatible:** MM50H, ML50H, MRO50, MR50, and accessories
- ◆ **Temperature:** $-25^{\circ}C \sim 60^{\circ}C$
- ◆ **Instruction on front panel**
 - ◇ **Auto:** MT53UV will inspect the line voltage automatically, and will trip when the voltage is either over or under normal rated voltage.
 - ◇ **Manu:** MT53UV is set for manual mode, that is the device won't operate even the voltage is abnormal;
 - ◇ **Indication lights**
 - Constant green:** normal operation, ON postion;
 - Constant red:** under-voltage faulty
 - Red flash:** over-voltage faulty
 - Green flash:** time-delay reclosing
 - Constant orange:** locked by faulty
 - light off:** no power or "Manu" state;

