

MRL LK01 Fast Lockout relay

Specifications

- Keeping status after power interruption
- Front LED indicator (Lock & unlock indicator)
- Front safety LED indicator
- Manual resetting & remote resetting
- Latched lock and unlock LEDs
- Withdrawable case

An important facility in this relay is that, keeps the contact and LED status after power interruption. This means if the relay is locked out, and DC power of relay is removed, after DC power is established again, the relay remains locked out until reset.

There is an additional changeover contact for watchdog, which changes its state during DC power missing.

It is strictly recommended to use the watchdog contact to detect the relay DC power interruptions.

Inputs

- One digital input for locking & remote unlocking signal
Vin unlock, range: 70+/-10 to 180 V dc
Nominal Voltage: 110 V dc

Output contacts specifications

- Six changeover heavy duty contacts:
Operating time: Pick up: < 15 m Sec
Drop out: < 4 m Sec
Contact material: AgCdO
Contact gap: 3 mm
Permanent current: 16A
Max peak current: 30 A for 1 Sec
Breaking current capacity: At 125 V dc: 0.6 A
At 110 V dc: 0.8 A
Max. switching voltage: 250 Vdc, 400 V ac

Mechanical life: 10^7 operations
Operating temperature: -20 °C to 70 °C
Storage temperature: -20 °C to 70 °C
Max operating humidity: 90% at max 40 °C
Insulation between input and output contacts:
6 KV
Dielectric strength between open contacts:
1.5 KV
Ambient altitude: < 2000 m

Power consumption

Locked: 0.3 W
Unlock: 2.9 W