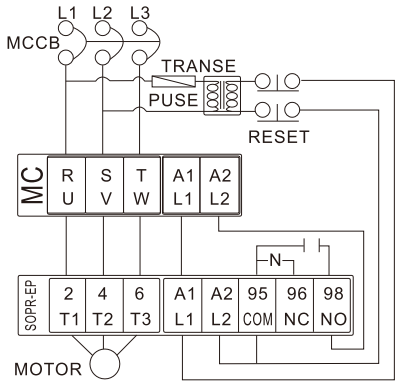
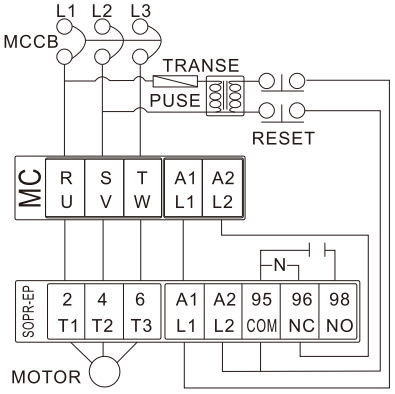
General

SOPR series overload and phase lost relays are designed to prevent the failures originated from motor heat..

N-Type(Safer than type R)



Connection diagram for SOPR-EP (N-Type)



Description diagram for SOPR-EP (R-Type)

Usage of Relay and working principle

Time: Set larger than the motor's start current time and less than the motor's endurance time with over-current .

LOAD:Set over 110% of the motor started current or under 120% of its operating current.

Maintenance

Periodic testing of TEST button is recommended to ensure the full protection and regularly as preventive maintenance.
Switch off the device and release from connections.
Clean the trunk of device with a swab.
Don't use any conductor or chemical might damagethe device.
Make sure device works after cleaning.

Technical Specifications:

Current Range: ····· : 0.1~1.4A(EP-01),0.5-6.5A(EP-06)
3~30(EP-30),10~50(EP-60)

Operating Voltage(Un) ····· : 90-260VAC, or 180-480VAC

Operating Frequency····· : 50/60Hz

Operating Power····· : <2W

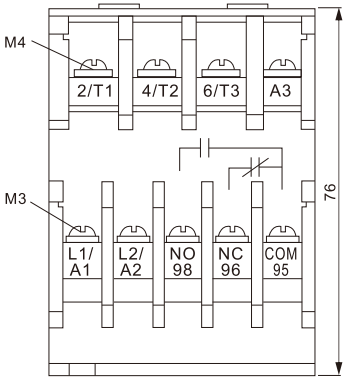
Operating Temperature····· :-20℃·····+55℃

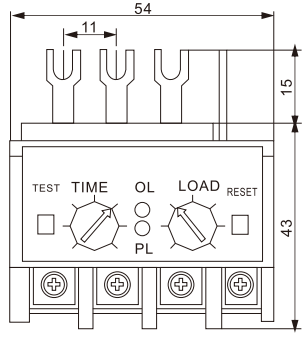
Waiting(t)····· : 0.2~10sec.

Asymmetry Set····· : %±10(Current),%±15(Time)

Contact····· :5A 250V AC Resistive Load

Connection Diagrams····· :35mm Din Rail





Dimensions for SOPR-EP