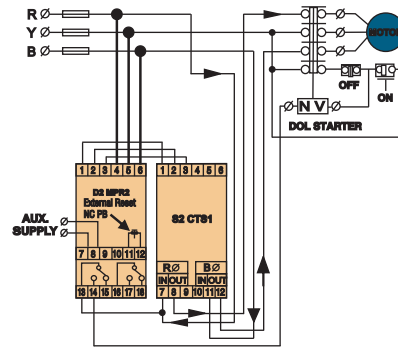


TECHNICAL DATA SHEET FOR D2 MPR2

minilec®



D2 MPR2 is operating on negative sequence current component sensing principle for phase failure protection & sensing motor current for overload protection & dry run protection, & operating on IEEE / NEEMA standard method for voltage unbalance detection. It offers protection against :

Overloading condition, Unbalanced Voltage & current condition, Phase failure condition. / Phase reversal condition. Dry running condition, Under & Over voltage condition

TECHNICAL SPECIFICATIONS OF D2 MPR2

1. **System Supply** : 380 - 415 VAC $\pm 20\%$.
Aux. Supply : 220 -240 /380-415 VAC $\pm 20\%$.
2. **Frequency** : 48 Hz - 63 Hz..
3. **Power Consumption** : 5 VA max.
4. **Output Relay Contacts** : 2 Changeover
5. **Output Contact Rating** [Resistive] : 5A, 240 VAC.
6. **Life Expectancy** : 0.5×10^6 operations at 100% rating.
7. **Current UB trip setting** : 50 % of Motor current [Fixed]
8. **Under current setting** : 50 % set current [Fixed]
9. **Current setting [FLC]** : 0.4 to 1.0 of CTS I_{max} [40 % to 100 % of CTS I_{max}]
10. **Overload Trip time setting** : As per IDMTL char [2SEC]
11. **Voltage UB trip setting** : 10 % $\pm 1\%$ as per IEEE Method [Fixed]
12. **Under Voltage Trip setting** : - 20 % of System supply
13. **Over Voltage Trip setting** : + 20 % of System supply
14. **Set Accuracy** :
For UV & OV : $\pm 2\%$ of set value
For others : $\pm 5\%$ of set value
15. **Trip Time Delay** :
• **Phase Failure** : 4 Sec ± 1 Sec
• **Current & voltage UB** : 4 Sec ± 1 Sec
• **Dry Running** : 4 Sec ± 1 Sec
• **Overloading** : As per IDMTL CHAR.
• **Under & Over voltage** : 4 Sec ± 1 Sec
• **Phase Reversal** : Less than 2 sec
16. **Resetting** : Delayed Auto Reset [15 Min] or Manual [Remotely wired] With NO Push Button.
17. **Indications** :
1. ON : Power On
2. RP / SP,UB : Flashing - Phase Reversal/
Steady ON - Unbalance Phase Failure
3. DR / OL : Flashing - Dry Run(No Load)/
Steady ON - Over load
4. UV/ OV : Flashing - Under Voltage/
Steady ON - Over Voltage
18. **Operating Condition** :
Temperature : -5°C to 60 °C
Humidity : Up to 95% R. H.
19. **Enclosure** : ABS
20. **Unit Weight** : 400gms (approx)
21. **Dimensions(mm)** :
Overall(L x W X D): 76 x 56.5 x 117.5
Panel Mounting(L x W): 35 mm Rail Mounting

Suitable for Panels in Following Applications:

Air -Conditioning & Refrigeration Machines
Screw Compressors
Lift , Elevators, Hoist & Cranes
Crusher Motors , Mining M/c
End Users

Our Other Products

Alarm Annunciator, Motor/Pump Protection Relays, EOOR,
Phase Failure Relay + UV / OV Relays, Voltage/Current/ Frequency/Reverse Power Monitoring Relays,
Earth Fault/ Leakage Relays, Pump Automation Management system & Controllers, Water Level Controller,
Electronic Timers, Power Line Transducers (V/I/KW/Multi-function/DC-DC Isolators or Barrier/Temp/Resistance/Tap position etc.),
Multi-function Meter, Twin Window/Split AC Controller, Bearing temp Monitoring relays(PT-100)