MULTI FUNCTION OVER ANDUNDER VOLTAGE RELAY[59/27]

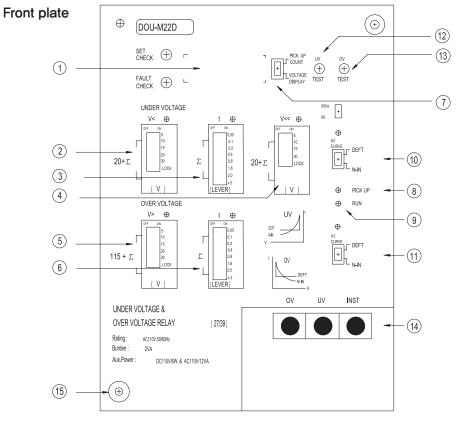
DOU-M22D



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Characteristics

- Up to now OVR and UVR relays were separately set and also operated but they are compacted in one relay unit, So very convenient for
- As assembled with state of art and multifunctions, it is most suitable and applicable to protective coordination.
- Volt meter being installed, it can be used fer measuring
- Electronic indicator target accurately show the troubles and surely indicate electric trouble.



- 1. Voltage Display / Operating Count
- 2. Voltage Limits Element
- 3. Time Lever Element
- 4. Instantaneous Element
- 5. Over Voltage Setting Element
- 6. Time Lever Element
- 7. Monitor Selection Switch
- 8. Over & Under Voltage State
- 9. CPU Run LED
- 10. Under Voltage Curve Setting
- 11. Over Voltage Curve Setting
- 12. Under Voltage Test
- 13. Over Voltage Test
- 14. Target
- 15. Draw-out Handle

MULTI FUNCTION OVER ANDUNDER VOLTAGE RELAY[59/27]

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DOU-M22D(Draw out) IEC255 JEC 2500, 2511

Specifications

■ MODEL

DOU-M22D(Draw out)

■ Rating

AC 110V Rated Voltage Frequency 60/50Hz±5%

AC/DC 110V(80~260V) Auxiliary Voltage Ambient temperature -10°C to 60°C(with no icing)

■ Voltage setting

Over Voltage range 115~150V/(Steps of 5V) Under Voltage range 20~100V/(Steps of 5V)

■Time setting & Curve Definite time or Inverse time

Over Voltage time lever 0.05~10.3(steps of 0.05)

 0.05 ± 25 ms, $0.1\sim10S\pm10\%$

Under Voltage time lever 0.05~10.3(steps of 0.05)

 0.05 ± 25 ms, $0.1\sim10S\pm10\%$

Under Voltage Instantaneous 20~80V(Steps of 5V) Resetting Value OV:V(90%, UV:V) 110%

Reset time ⟨ 100ms

■Burden

Over Voltage Less than 2VA Under Voltage Less than 2VA Aux, Voltage 12VA(AC), 6W(DC)

■Contact

Out put Relay OV:1C/UV:1C

Trip & contact capacity

Make AC 240V 10A(L/R=0ms)

DC 1000W 0.5Sec(L/R=0ms)

Break AC 240V 3A(L/R=0ms)

DC 30W 0.5Sec(L/R=0ms)

■Indicator

Operating start LED(Red)

Operating(Trip) Target(Manual Reset) ■Operating time

Inverse or definite time Over Voltage Under Voltage -Inverse or definite time

Degree Protection IP 52

■ Vibration resistance

Malfunction 10Hz 5mm double amplitude 30s

> each in X and Y directions 16.7Hz 2.5mm double amplitude 600s each in X,Y, and Z directions

■Shock resistance

Destruction; 300% (approx. 30G)

3 time each in 3 directions

■Insulation to IEC 255

Dielectric withstand 2kV for 1 minute between all

terminals and case earth

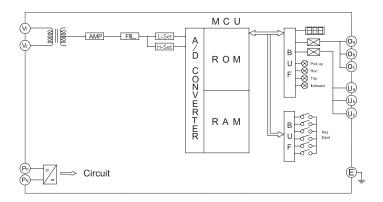
Insulation resistance at 500V) $100\text{M}\Omega$ Impluse Voltage Withstand 5kV-1.2/50 μs Surge transient simulator 2.5kV 1MHz/200 Ω

Weight 2.0kg

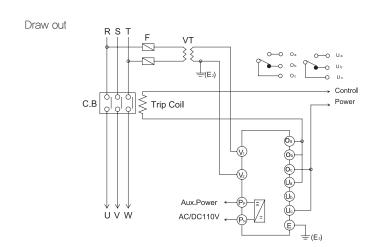
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Block diagram



Wiring



Terminal arrangement

