

PROTIME[®]



N22 Series Relay

N22 - FR

Special Features

- Most compact yet ultra flexible protection relays
- Micro controller based True RMS Measurement
- Under or over Frequency selection with automatic range selection
- Two Time delay ranges in one unit
- User selectable Normal/Fail safe Modes
- User selectable Auto/Manual Reset
- Wide power supply range from 90-270V AC/DC

Technical Data

- | | |
|------------------------|--|
| 1) supply Voltage | - 90-270V AC/DC (Less than 12V A) |
| 2) Output Contacts | - One change over (potential free) |
| 3) Switching duty | - 6A resistive at 250V AC or 24V DC |
| 4) Electrical Life | - 10 ⁵ operation at designed switching duty |
| 5) Relay Status | - Normal - De-energised in normal conditions Fail Safe - De-energised in fault conditions |
| 6) Sensing | - 230VC or 415VAC |
| 7) Range | - U/F= 30-48Hz - O/F= 50-60Hz |
| 8) Time Delays | - 0 - 1 Sec 0 - 10Sec |
| 9) Reset | - AUTO / MANUAL User selectable |
| 10) Mounting | - Din channel or wall mounting |
| 11) Approximate Weight | - 100gm |
| 12) Dimension | - 22.5mm(W) X 110(D) X 73.5mm(H) |

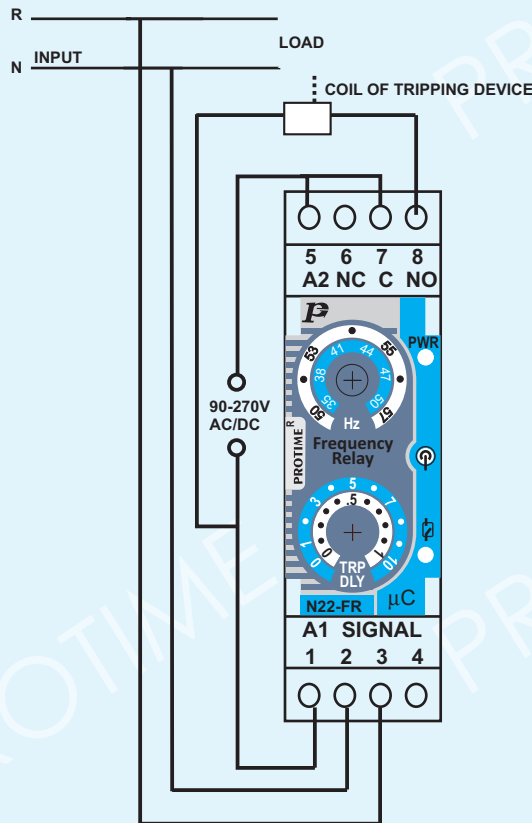
Applications:

Distribution Panel Boards
Motors / Pump Panel Board
Generators, Transformers etc.

OPERATION

The N22 series Frequency relays monitors the frequency of the Line. When frequency goes out of the range selected on the dial, the relay status will change. The relays are provided with time delays. The relay can be configured to use as under or Over frequency Protection by user, which in turn automatically selects respective setting range for tripping. Also relay has wide auxiliary power supply range from 90 to 270V AC/DC. user can also define the type of operation, viz NORMAL or FAIL SAFE.

Connection Details



HOW TO ORDER ?

Ordering Pattern (example)- **N22-FR**

N22-FR - 1

Code

Tripping Range

U/F-30-48Hz

O/F-50-60Hz