



ELRDIN-310 Earth Leakage Relay

Features

- Numerical earth leakage relay
- Programmable current sensitivity and time delay
- Detection of no connection to ZCT
- Relay trip indicator
- Relay alarm indicator
- Real-time leakage current display
- Leakage fault current recording
- 50% pre-fault indicator
- Standard DIN rail mounting
- Protection against nuisance tripping

Technical Specifications

- Auxiliary supply: 184-267VAC
- Rated frequency: 50-60Hz
- VA Rating: 3VA Typical
- Record: 3 latest tripped test currents "tSt" for manual test trip
- Storage: Non-volatile memory
- Zero-phase current transformer: to operate with ZCT series of current transformer
- Setting accuracy: -15% to +0%
- Setting accuracy: $\pm 5\%$
- Remote reset: N.O. dry contact
- Temperature: -5°C to $+50^{\circ}\text{C}$
- Sensitivity: 30mA, 50mA, 0.10-1.0A (step=50mA), 1.0A=10.0A (step=1A)
- Time delay adjustment: Instantaneous 0.1-3.0sec, step=0.10sec
- Trip contact: Activated if relay tripped or ZCT faulted
- Positive safety contact: Activated when ZCT is properly connected to the relay
- Pre-fault alarm contact: Activated when leakage current exceed 50% of sensitivity
- Humidity: 56days at 90% RH 40°C non-condensing

Mechanical:

- Mounting: Panel mounting
- Dimension: 71(w)x85(h)x70(d)
- Weight: 0.4KG(excluding ZCT)

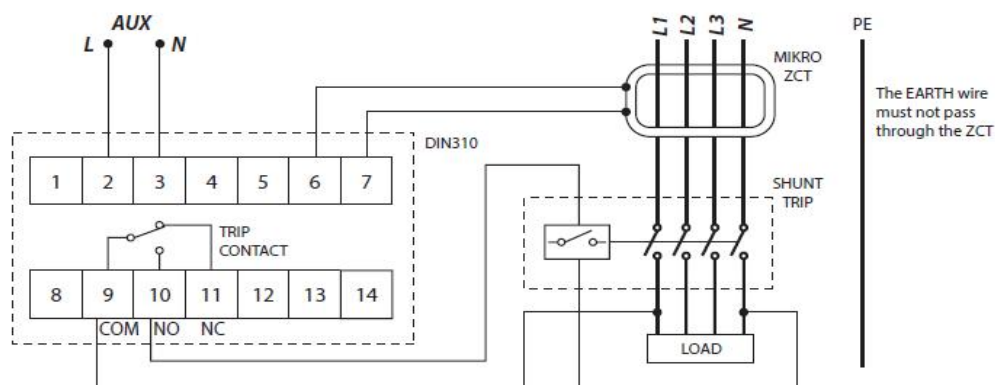
Output Contacts:

- Rated voltage: 250VAC
- Contact rating: 5A(NO), 3A(NC)
- Expected electrical life: 100000 operations at rated current
- Mechanical life: 5x1000000 operations

Indicators:

- 50% pre-fault alarm: Red indicator
- Time delay: Red indicator
- Leakage trip: 7-segment display and red indicator
- ZCT fault: 7-segment display and red indicator
- Real time leakage current: 7-segment display

Typical Application Diagram For DGDIN 310



Product Dimensions

