**Technical Data**

**AUXILIARY SUPPLY**
- **Model**: DIN330-230 A(6) - 184 ~ 276 V AC
- **Rated frequency**: 50 or 60 Hz
- **VA rating**: 3 VA typical

**PERFORMANCE**
- **Setting accuracy**: -15% to +0%
- **Timing accuracy**: ±5%

**SETTING**
- **Sensitivity adjustment**: 30 mA, 50 mA, 0.10 A to 1.00 A (Step = 50 mA), 1.00 A to 10.0 A (Step = 1.00 A)
- **Time delay adjustment**: Instantaneous, 0.1s - 3.0s, Step = 0.10 sec.
- **Number of shots**: 0 - 30, Step = 1, 0 = Disable auto reclose function
- **Dead time**: 1 - 500 sec, Step = 1 sec, 0 = Disable function
- **Permanent fault time**: 0 - 500 sec, Step = 1 sec, 0 = Disable function
- **Reclaim time**: 0 - 500 minute, Step = 1 min, 0 = Disable function
- **Lockout auto reset time**: 0 - 200 hour, Step = 1 Hrs, 0 = Disable function

**Programmable contact**
- Option 0 = Disable
- Option 1 = All (Option 2 to 6)
- Option 2 = ZCT error
- Option 3 = Leakage trip, test trip, re-close lockout
- Option 4 = Pre-fault alarm, leakage trip, test trip, reclose lockout
- Option 5 = Leakage trip, test trip, reclose lockout, ZCT error
- Option 6 = Re-close lockout, ZCT error

**RECORD**
- **Fault record**: 3 latest tripped fault currents or “Tst” for manual test trip
- **Storage**: Non-volatile memory

**INPUT**
- **Remote reset**: N.O. dry contact

**OUTPUTS**
- **Trip safe contact**: Activated when the relay is in normal power-up condition with the measured leakage current less than 0.85 IΔn
- **Programmable contact**: Activated according to user setting

**OUTPUT CONTACTS**
- **Rated voltage**: 250 V AC
- **Contact rating**: 5 A (NO), 3 A (NC)
- **Expected electrical life**: 100,000 operations at rated current
- **Expected mechanical life**: 5 x 10⁶ operations

**INDICATORS**
- **50% pre-fault alarm**: Red indicator (Normal blink)
- **Time delay**: Red indicator (Fast blink)
- **Leakage trip**: 7-segment display and red indicator
- **Reclose lockout**: 7-segment display and red indicator
- **ZCT fault**: 7-segment display and red indicator
- **Real time leakage current**: 7-segment display

**ZERO-PHASE CURRENT TRANSFORMER**
To operate with Mikro’s ZCT series of current transformer

**ENVIRONMENTAL CONDITIONS**
- **Temperature**: -10°C to 55°C
- **Humidity**: 5% to 95%, non-condensing

**MECHANICAL**
- **Mounting**: DIN rail mounting
- **Dimension (mm)**: 71(w) x 85(h) x 70(d)
- **Approximate weight**: 0.4 kg (excluding ZCT)

**Features**
- Numerical auto-reclosing earth leakage relay
- Incorporated positive safety feature into trip contact
- Detection of no connection to ZCT
- Relay trip / alarm indicator
- Real-time leakage current display
- Leakage fault current recording
- Remote reset function
- Standard 35mm DIN rail mounting
- Protected against nuisance tripping
**Ordering Information**

**MODEL**
- DIN330 - 230 A: For 50 Hz system, auxiliary voltage 230 V AC
- DIN330 - 230 A6: For 60 Hz system, auxiliary voltage 230 V AC

**Typical Application Diagram**

*The trip safe contact is activated (terminal 9-10 closed) when the relay is in normal power-on condition with the measured leakage current less than 0.85 mA.*

**Case Dimensions**

The EARTH wire must not pass through the ZET.