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## DG202A Earth Fault Relay

### Features

- Microprocessor based numerical relay
- Current measurement based on fundamental frequency
- Low-set inverse definite minimum time (IDMT) relay
- High-set instantaneous relay
- Separate low-set and high-set trip indicators
- Option to disable high-set element
- Front panel access to test function
- Complies with IEC 60255-26 standard

### Technical specifications

#### Ratings

- Rated current ( $I_n$ ) : 5 A
- Rated frequency : 50 Hz
- Burden: < 0.3 VA at  $I_n$
- Thermal withstand: 4 x  $I_n$  continuous

#### Auxiliary Supply

- Model DG202A-240A: 198 ~ 265 V AC
- Model DG202A-110A: 94 ~ 127V AC
- Supply frequency: 50 Hz
- VA rating: 3 VA typical

#### Setting Ranges

- Low-set ( $I >$ ): 0.1A to 2.0 A  
: 2% to 40%
- Time multiplier (TM) : 0.05 to 1.0
- High-set ( $I >>$ ):  $I >$  to  $10 \times I >$  or disable
- High-set delay time ( $t >>$ ): Instantaneous

#### Contacts

- Trip contact (R1): Manual reset type
- Contact Arrangement: Change-over
- Contact rating : 5 A, 250 V AC ( $\cos\phi = 1$  )
- Contact material : Silver alloy
- Expected electrical life: 100,000 operations at rated current
- Expected mechanical life:  $5 \times 10^6$  operations

#### Indicator

- Auxiliary indicator: Green indicator
- Pick-up: Red indicator
- Trip: Red indicator

#### Performance

- Adjustable accuracy: Less than  $\pm 5\%$
- Repeatability: Less than 0.5% of full scale

### Mechanical

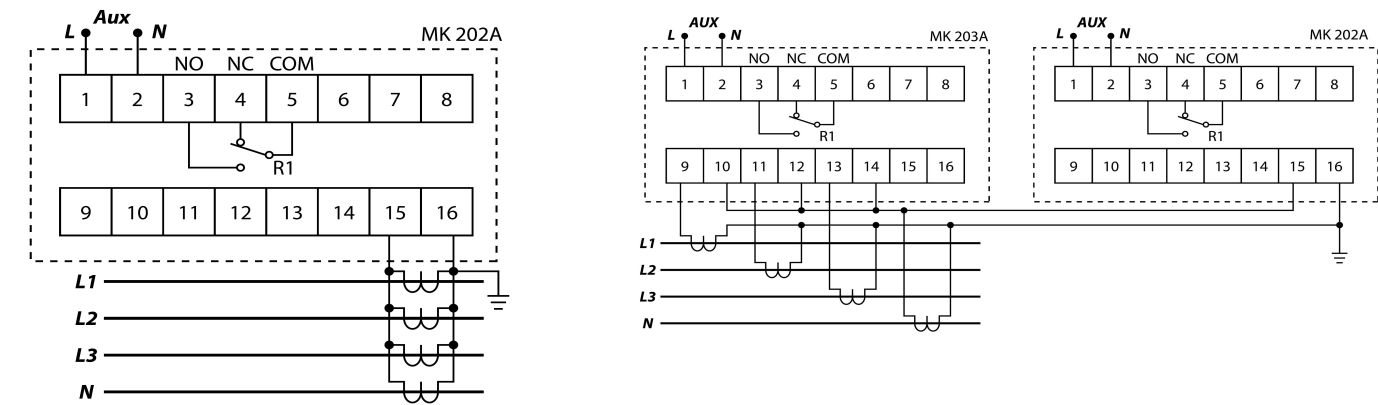
- Mounting: Panel mounting
- Front panel: Standard DIN 96 mm x 96 mm
- Approximate weight: 0.6 kg

### Environment Conditions

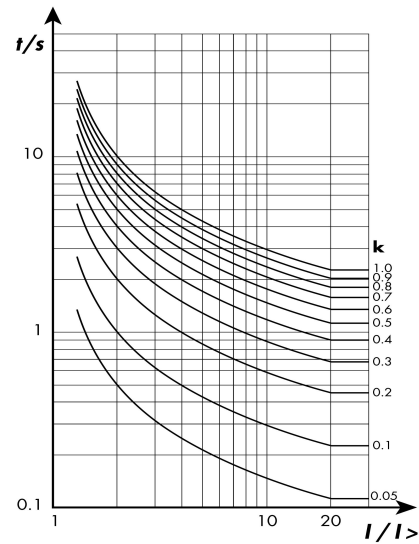
- Temperature: -5°C to +55°C
- Humidity: 56 days at 93% RH and 40°C non-condensing

### Typical Application Diagram

### Combined IDMT Overcurrent&Earth Fault Relay



### Normal Inverse



### Product Dimensions

