NP 803A(IDMT)

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 relay
- Front panel access to test function
- Complies with IEC 60255 standard
- Programmable relay output contact

Technical Data

RATINGS

Rated current (In)	: 5 A
Frequency	: 50 Hz / 60Hz
Burden	: < 0.3 VA at In

AUXILIARY SUPPLY

Model NP803A	: 198 ~ 265 V AC
Frequency	: 50 Hz / 60Hz
VA rating	: 3 VA typical

SETTING RANGES

Low-set ($I_o >$)	: 0.1A to 10A (2%-200%)
Low-set time multiplier ($kt_o >$)	: 0.01 to 1.0
Low-set delay time(DELAY)	: 0.01 sec to 200 sec
High-set ($I_o >>$)	: 0.5A to 100A ;10%-2000%,or off
High-set delay time ($t_o >>$)	: 0.01 sec to 20 sec
Setting range	:(0.00 to 10.0, step 0.05; 10.0 to 100 step 0.5)

CONTACTS

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

TIME CURRENT CHARACTERISTIC CURVE

- Normal Inverse
- IDMT Very Inverse
- IDMT Extremely Inverse
- IDMT Inverse 1.3/10
- IDMT Long Timenverse

INDICATORS

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

PERFORMANCE

Adjustable accuracy	: Less than 5%
Repeatability	: Less than 0.5% of full scale

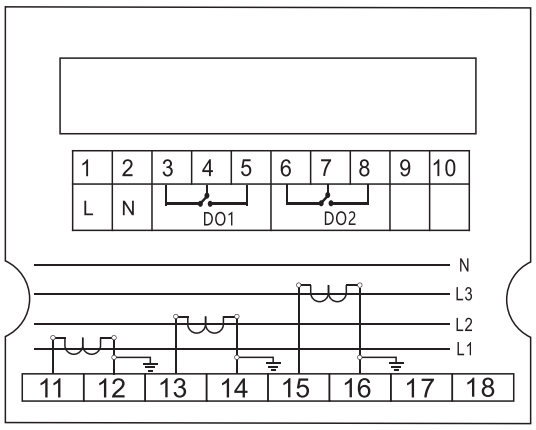
MECHANICAL

Mounting	: Panel mounting
Front panel	: Standard DIN 96mm x 96mm
Approximate weight	: 0. 35 kg

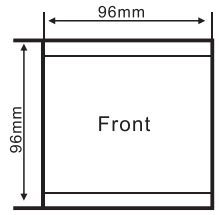
ENVIRONMENTAL CONDITIONS

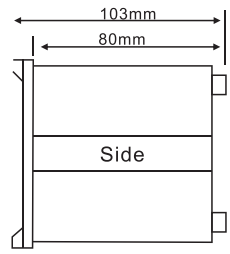
Temperature	: -5°C to+55°C
Humidity	: 56 days at 93% RH and 40°C non-condensing

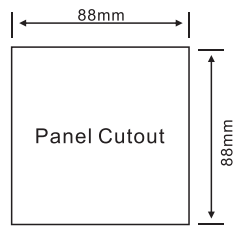
Overcurrent relay



CASE DIMENSION



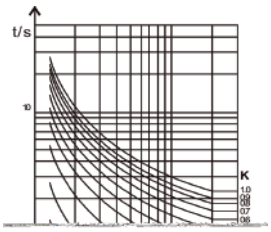




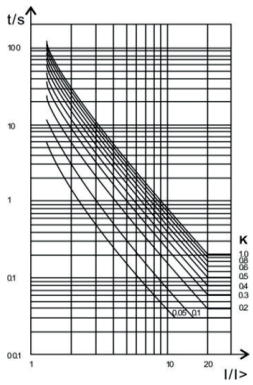
Ordering Information

MODEL	DESCRIPTION
NP 803A	For 50 Hz system/60 Hz system, auxiliary voltage 198 ~ 265 V AC

1. IDMT Normal Inverse



3. IDMT Extremely Inverse



5. IDMT Long Timenverse