

NP 803S (IDT)



FEATURES

- Microprocessor based numerical relay
- Current measurement based on fundamental frequency
- Low-set inverse definite time relay (IDT)
- 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
- With RS485 communication

Technical Data

RATINGS

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

AUXILIARY SUPPLY

Model NP803	: 198 - 265 Vac / 90 - 250 Vdc
Frequency	: 50 Hz
VA rating	: 3 VA typical

SETTING RANGES

Low-set (I >)	: 0.1A to 10 A(2%-200%)
Low-set time multiplier (kt>)	: 0.01 to 1.0
Low-set delay time(DELAY)	: 0.01 sec to 20 sec
High-set (I >>)	: 0.5A to 100 A;10%-2000%,or off
High-set delay time (t >>)	: 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 & R2)	: Manual / Auto reset type
Contact Arrangement	: Change-over
Contact rating	: 5 A, 240 V AC (cos ϕ = 1)
Contact material	: Silver alloy
Expected electrical life	: 100,000 operations at rated current
Expected mechanical life	: 5 x 10 ⁶ operations

INDICATORS

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

PERFORMANCE

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

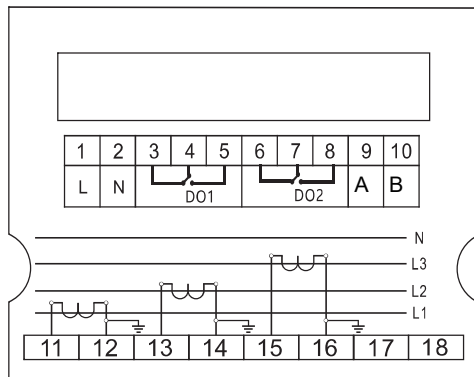
MECHANICAL

Mounting	: Panel mounting
Front panel	: Standard DIN 96mm x 96mm
Approximate weight	: 0.35 kg

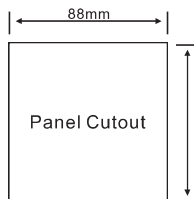
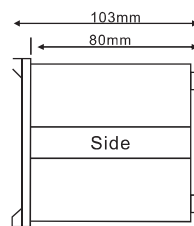
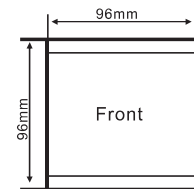
ENVIRONMENTAL CONDITIONS

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

Overcurrent relay



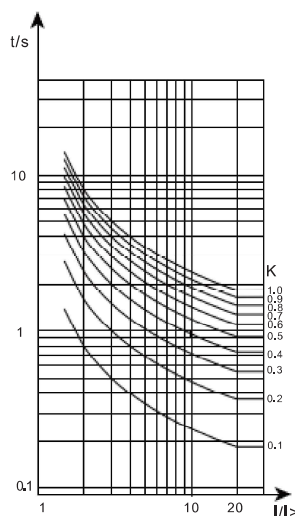
CASE DIMENSION



Ordering Information

MODEL	DESCRIPTION
NP 803	For 50 Hz Auxiliary voltage 198-265 Vac / 90 -250 Vdc

IDT Normal Inverse



Overcurrent Relay(DT)