



180 Lafayette Road
North Hampton, NH 03862-2448
PH: 603-964-3165
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WWW.PDEELECTRONICS.COM

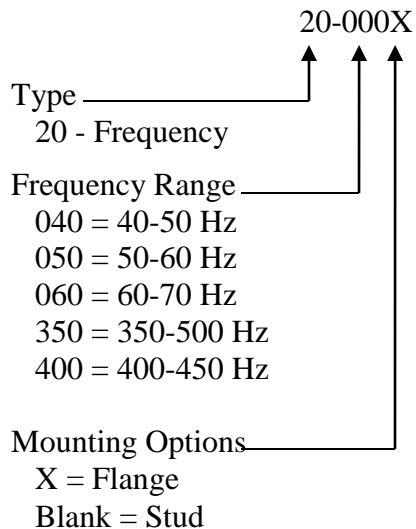
Frequency Sensitive Relays

1 Phase Relay
20-000 Series

Rev A

ORDERING INFORMATION

Part Number Breakdown



ELECTRICAL SPECIFICATIONS

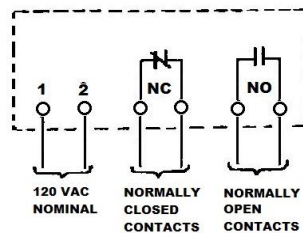
Input Voltage ($\pm 10\%$)	120 VAC, Single Phase
Frequency Range	See part number selection
Differential	Frequency pick-up to drop-out differential is 1% max
Temperature Range	-40°C to +85°C
Temperature Drift	$\pm 1\%$ frequency error over temperature range
Voltage Error VAC	$\pm 1\%$ for input voltage of 120 VAC $\pm 10\%$
Contact Rating	5 amp resistive at 120 VAC or 28 VDC
Output Contacts	One set N.O., One set N.C.

DESCRIPTION

The output contacts of the 20-000 frequency relays are energized when the frequency exceeds the adjustable set point. The normally open contacts close, and the normally closed contacts open, at all frequencies above the set point. The contacts in the connection diagram, are shown in the de-energized position (below the trip point).

OPTIONAL CONFIGURATIONS

Overfrequency and underfrequency relays are available in 50, 60 and 400Hz. Combination over/underfrequency "band pass" relays can also be supplied. These are energized at rated frequency and deenergized during overfrequency or underfrequency conditions. Frequency Differential relays are energized between the preset frequencies. The pick-up and drop-out frequency settings are independently adjustable.



Specifications subject to change without notice.

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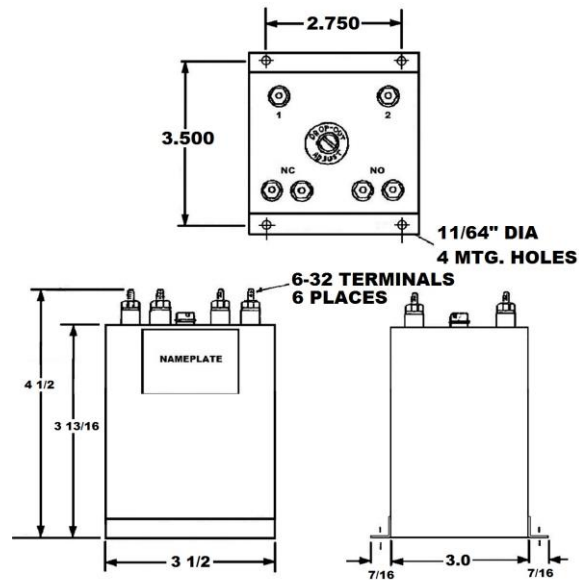
Frequency Sensitive Relays

1 Phase Relay

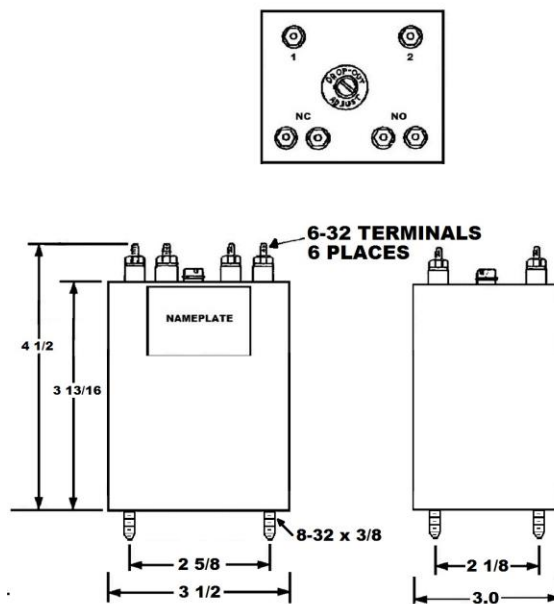
20-000 Series

Rev A

FLANGE MOUNTING:



STUD MOUNTING:



Notes

1. Remove screws for access to the pick-up and drop-out trip adjustments.
2. Clockwise rotation of the adjustment potentiometers will raise the voltage trip point.

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