

1000 Series

Product Facts

- Function 47
- ANSI/IEEE C37.90-1978
- UL File No. E58048
- CSA File No. LR61158

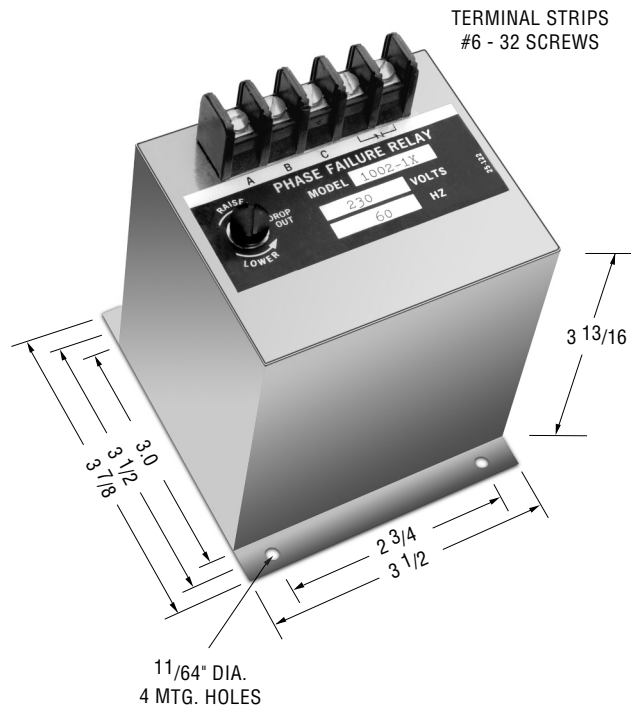


Phase failure relays protect motors, equipment and personnel from damage or injury caused by open phase, reversed phase sequence, or low voltage in a three phase system. Models are available for 50 and 60 Hz with voltages up to 575 volts. Motor control switchboards are a common application.

Operation

The contacts of the relay will close only when it senses normal conditions of three phase power at the proper phase sequence.

The relay contacts will remain in their normally open position (de-energized) when voltage with incorrect phase sequence is applied, one or more phases are open, or at undervoltage condition.



TERMINAL STRIPS
#6 - 32 SCREWS

Product Specifications

Nominal Voltage — See Ordering Information

Voltage Drop-Out — 75% to 100% of nominal, screwdriver adjustable

Pick-Up to Drop-Out Differential — 3% approx.

Ambient Operating Temperature — -40°C to +70°C

Temperature Drift — ± 1%

Time Delay — See Curve

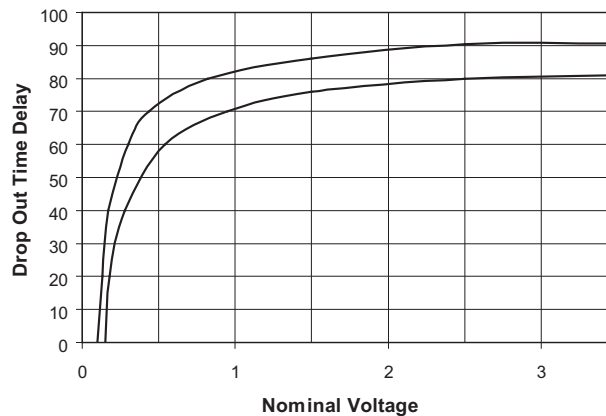
Output Contacts — One set, normally open

Contact Ratings —
10 amp at 28 VDC resistive
10 amp at 230 VAC resistive

Notes:

1. Remove screw for access to the undervoltage adjustment.
2. Clockwise rotation of the adjustment potentiometer will raise the drop-out voltage.

Note: Dimensions in inches. Multiply values by 25.4 for dimensions in mm.



Ordering Information

Sample Part Number ►

1004X

Type:

- 1001 = 120 V, 60 Hz, 3 phase, L-L
- 1007 = 208 V, 60 Hz, 3 phase, L-L
- 1002 = 230 V, 60 Hz, 3 phase, L-L
- 1012 = 300 V, 60 Hz, 3 phase, L-L
- 1013 = 350 V, 60 Hz, 3 phase, L-L
- 1003 = 380 V, 50 Hz, 3 phase, L-L
- 1004 = 460 V, 60 Hz, 3 phase, L-L
- 1005 = 525 V, 60 Hz, 3 phase, L-L
- 1006 = 575 V, 60 Hz, 3 Phase, L-L

Mounting:

- X = Flange
- Blank - Stud

Consult factory for additional models.