



DELAY ON RELEASE-FIXED RELAY OUTPUT

C6700
C.O.T.S.
M83726/8

FEATURES:

- Reverse Polarity Protection
- Transient Protection Per MIL-STD-704

ELECTRICAL SPECIFICATIONS:

Timing Range: .1 to 300s

Tolerance: ±10% plus ±10 ms

Input Data:

Range of voltage:

Input Power: 18 to 31 V dc

Control Line Power: 18 to 31 V dc

Recycle (before time out): Control power must remain off at least 25 milliseconds or 1% of the nominal time delay, whichever is greater, after which reapplication of control power for 25 milliseconds minimum will recycle the timer with a loss in timing no greater than 10%.

Recycle (before time out): Reapplication and subsequent removal of control power will recycle the timer. Control power must be applied for 25 milliseconds or 1% of the total time delay, whichever is greater.

Output Data:

Output form: 2 PDT; 2 Form C

Output Rating:

Type of Load	Life (Cycles)	28 VDC	Amperes 115 VAC - 1 Phase 60 & 400 Hz
Resistive	100,000	2.0	0.3
Inductive	100,000	1.0	0.3
Lamp	100,000	0.1	0.1

Contact voltage drop:

Initial — 0.150 volts maximum

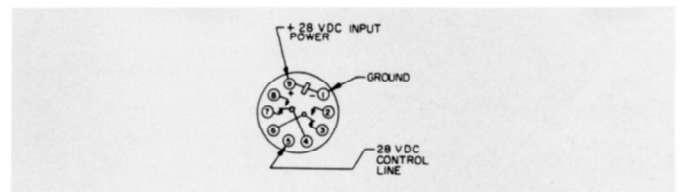
After life test — 0.200 volts maximum

Insulation resistance: 1,000 megohms at 500 V dc between case and pins connected together.

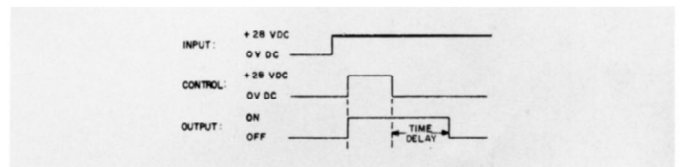
Dielectric strength: 1,000 volts rms at 60 hertz at sea level between case and pins connected together.



WIRING DIAGRAM



TIMING DIAGRAM



DESCRIPTION

Apply input power. Upon application of control power, the output will energize. Removal of control signal initiates delay period.

ENVIRONMENTAL SPECIFICATIONS:

Temperature: -65°C to +125°C.

Altitude: 80,000 feet

Shock: 50 G's for 11 ±1 milliseconds MIL-STD-202 Method 213A, Condition A. Contact Opening: 10 microseconds maximum duration monitor per Method 310 or MIL-STD-202.

Vibration (sinusoidal): 10-80 Hz at 0.06" peak double amplitude, 80-3000 Hz at 20 G's

Acceleration: 50 G's steady state no opening of closed contacts

PHYSICAL DATA:

Dimensions and configuration: (See reverse side.)

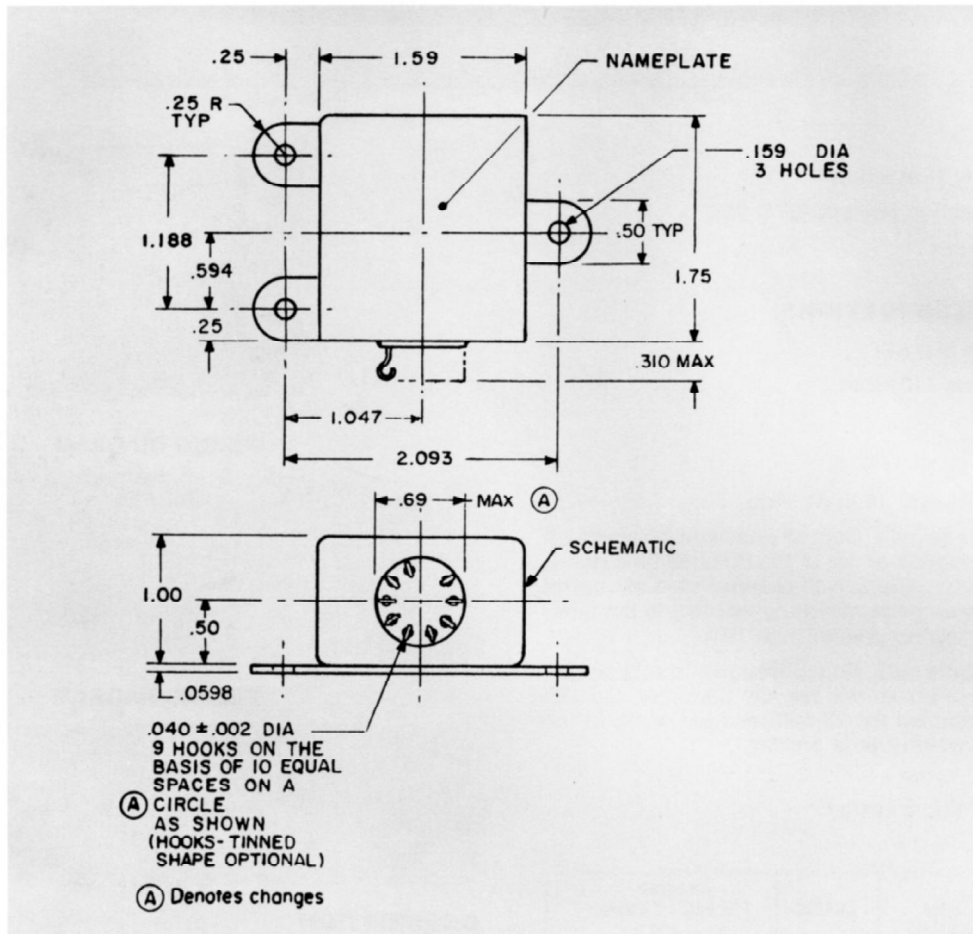
Weight: 0.25 pounds maximum

Terminal strength: 3 ±0.5 pounds pull maximum

SPECIAL NOTE:

Always consult latest military spec. for any changes and additional information.

MECHANICAL SPECIFICATIONS



HOW TO ORDER:

Timing Code Determination: The timing code consists of four digits and denotes time in milliseconds. The first three digits are significant figures and the last digit is the number of zeros to follow. Thus 100 milliseconds is coded 1000; 1.1 seconds is 1101 (1100 milliseconds), and 60 seconds is 6002 (60,000 milliseconds).

Example:

Hi-G Part Number

C6700 — 6002

MODEL NUMBER

TIMING CODE

These numbers designate a Solid-State Output Timer with 60 seconds (60,000 milliseconds), time delay operation at 28 VDC.