Danaher — Timers and Controllers

HP56B607



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The **HP56B607** is an electromechanical timer manufactured by Danaher for the Timers and Controllers series. Designed for panel-mounted sequencing, the unit converts a line-frequency reference into a precise delayed contact change that coordinates conveyors, heaters, or pump cycles inside automated equipment. A cam-driven dial allows users to set the required interval, while the internal clutch and synchronous motor ensure repeatable timing performance under industrial duty. Its purpose is to start or interrupt control circuits after a user-selected period, reducing the need for PLC capacity in simple machines.

Electrical interfacing is straightforward because the timer draws control power from a single-phase input of **240 VAC** at **60 Hz**. Output contacts are rated for a resistive load of **5 A at 240 VAC**, and they can tolerate a momentary inrush of 10 A when inductive loads close. Up to 15 screw terminals are provided for contact, clutch, and reset wiring. The front dial can be secured by a dial lock, preventing unauthorized adjustment, and it provides a maximum setting of **60 minutes**. Once energized, the magnetic circuit reaches the pickup point in **28 ms**, so control circuits experience minimal delay.

After the timing cycle ends, the armature releases in **17 ms**, and the spring-return mechanism resets completely in **0.5 seconds** before the next cycle can start. Normal operation imposes a clutch burden of **10.5 VA**, which should be considered when sizing control transformers. The silver-alloy contacts are rated for 5,000,000 cycles at 1 A and 250,000 operations at full load. The assembly withstands vibration up to **2.5 G** without contact chatter, and it remains functional at ambient temperatures from -18 °C to 60 °C. With the longest interval selected, the

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synchronous motor and cam complete the full timing cycle in one hour.

Specifications

Clutch Burden:	10.5 VA	**Contact Life At 1 A:**	5000000 cycles	**Contact Life Full Load:**	250000 ops
Dial Lock:	Yes	**Drop-out Time:**	17 ms	**Max Ambient Temp:**	60 C
Max Inrush Current:	10 A	**Max Time Setting:**	60 min	**Min Ambient Temp:**	-18 C
Pull-in Time:	28 ms	**Reset Time:**	0.5 s	**Resistive Output:**	5 A @ 240 VAC
Supply Frequency:	60 Hz	**Supply Voltage:**	240 VAC	**Terminal Count:**	15
Vibration Limit:	2.5 G	**Last Verified:**	11/16/2026 12:32 AM		

Contact Us

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