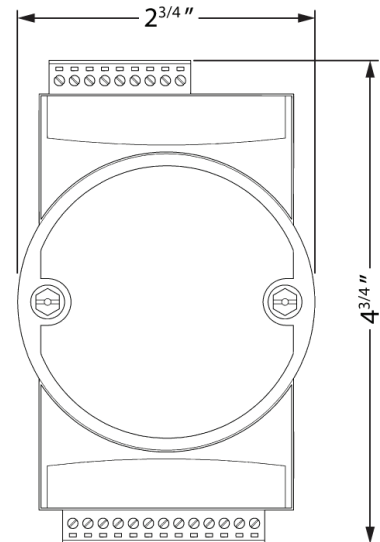


Key Features

- ◇ I/O Type: Six Digital Input, Six High Power Relay Output
- ◇ Pulse Output Support
- ◇ 10/100 Mbps Base-T Ethernet Communication
- ◇ Keep/Discard Counter Value when Power-Off
- ◇ Pulse Output Support



The HSQ-6066 features six digital output channels and is designed for 240 volts AC, 5 amps and supports both dry contact and pulse output (up to 100 Hz). This module also has a watchdog timer and host idle function for secure communication and reliable operation.

SPECIFICATIONS

Digital Input

- **Channels:** 6
- **Dry Contact:** Logic level 0: close to GND
Logic level 1: open
- **Wet Contact:** Logic level 0: 3 V_{DC}
Logic level 1: 10 – 30 V_{DC}
- **3 kHz Counter Input Support (32-bit + 1-bit Overflow)**
- **3 kHz Frequency Input Support**
- **Inverted DI Status Support**

Relay Output (Form A)

- **Channels:** 6
- **Contact Rating (Resistive):** 250 V_{AC} @ 5 A
30 V_{DC} @ 3 A
- **Breakdown Voltage:** 500 V_{AC} (50/60 Hz)
- **Relay On Time:** 7 ms
- **Relay Off Time:** 3 ms
- **Total Switching Time:** 10 ms
- **Insulation Resistance:** 1 GΩ minimum @ 500 V_{DC}
- **Maximum Switching Rate (at rated load):** 20 operations per minute

General

- **Power Consumption:** 2.5 W @ 24 V_{DC}
- **Connectors:** Plug-in screw terminal block (I/O and power)
- **Watchdog:** System (1.6 second) and Communication (programmable)
- **Power Input:** 10 – 30 V_{DC}

Protection

- **Isolation Protection:** 2,000 V_{DC}
- **Power Reversal Protection**

Environment

- **Operating Temperature:** -10° – 70° C (14° – 158° F)
- **Storage Temperature:** -20° – 80° C (-4° – 176° F)
- **Humidity (Operating):** 20 – 95% RH (non-condensing)
- **Humidity (Storage):** 0 – 95% RH (non-condensing)

