ADAM-4055 ADAM-4056SO ADAM-4080

16-ch Isolated Digital I/O Module with 12-ch Source Type Isolated Digital Output **Modules with Modbus**

2-ch Counter/Frequency Module







ADAM-4056S0

FCCE ROHS ADAM-4080

Specifications

General

 Certification FCC. CE

Connectors 2 x plug-in terminal blocks

(#14 ~ 28 AWG)

 Power Consumption 1 W @ 24 V DC typ. 1.7 W @ 24 V DC max.

 Watchdog Timer System (1.6 second) &

Communication

Supported Protocols ASCII command and

Modbus/RTU

 Isolation Voltage 2,500 V_{DC} LED Indicators Yes

Digital Input

Channels 8

Input Level

Logic level 0: open Dry Contact: Logic level 1: close to GND Wet Contact: Logic level 0: 3 V max. Logic level 1: 10 ~ 50 V

70 Vpc

 Overvoltage Protection

Digital Output

Channels 8, open collector to 40 V (200 mA max. load)

 Power Dissipation Channel: 1 W max. Total: 2.2 W (8 Channels)

Specifications

General

Certification FCC. CE

Connectors 2 x Plug-in terminal blocks

(#14 ~ 22 AWG)

Watchdog Timer System (1.6 second) & Communication

ASCII command and Support Protocol Modbus/RTU

 Isolation Voltage 5000 Vnc LED Indicators Yes

0.3 W @ 24 V DC typ. **Power Consumption** 0.5 W @ 24 V DC max.

ADAM-4056S0

 Digital Output 12

VCC: 10 ~ 35 Vnc Channels Current: 1A (per channel)

 Digital Output Type Source

• Over Current Detection and Protection

Specifications

General

 Certification FCC, CE, UL

Connectors 2 x plug-in terminal blocks

(#14 ~ 22 AWG)

 Power Consumption 2.0 W @ 24 V_{DC} Watchdog Timer System (1.6 second)

- Supported Protocols ASCII command modbus/

RTU (E version)

Counter Input

- Channels 2 independent counters (32-bit + 1-bit overflow)

Input Frequency 50 kHz max.

- Input Pulse Width >10 µs.

 Input Mode Isolated or non-isolated

 Isolated Input Level Logic level 0: 1 V max.

Logic level 1: 3.5 ~ 30 V

2,500 V_{RMS}

Programmable

Isolation Voltage

Non-isolated

Input Level threshold:

Logic level 0: 0.8 Vmax. Logic level 1: 2.4 ~ 5.0 V

 Maximum Count 4,294,967,295 (32-bit) Preset Type Absolute or relative

Programmable 2 µs ~ 65 ms

Digital Noise Filter

Alarm Alarm comparators on each

counter

 Frequency 5 Hz ~ 50 kHz

Measurement Range

Programmable

1 or 0.1 second **Built-in Gate Time**

Digital Output

Channels 2, open collector to 30 V, 30 mA max. load

300 mW for each channel Power Dissipation

Common Specifications

General

 Power Input Unregulated 10 ~ 30 VDC

Environment

 Operating Humidity 5 ~ 95% RH Operating -10 ~ 70°C Temperature (14 ~ 158°F) Storage Temperature -25 ~ 85°C

(-13 ~ 185°F)

Ordering Information

ADAM-4055

16-ch Isolated Digital I/O Module with Modbus

ADAM-4056SO

12-ch Source Type Isolated Digital Output Module with Modbus

ADAM-4080

2-ch Counter/Frequency Modules